

FIG. 1

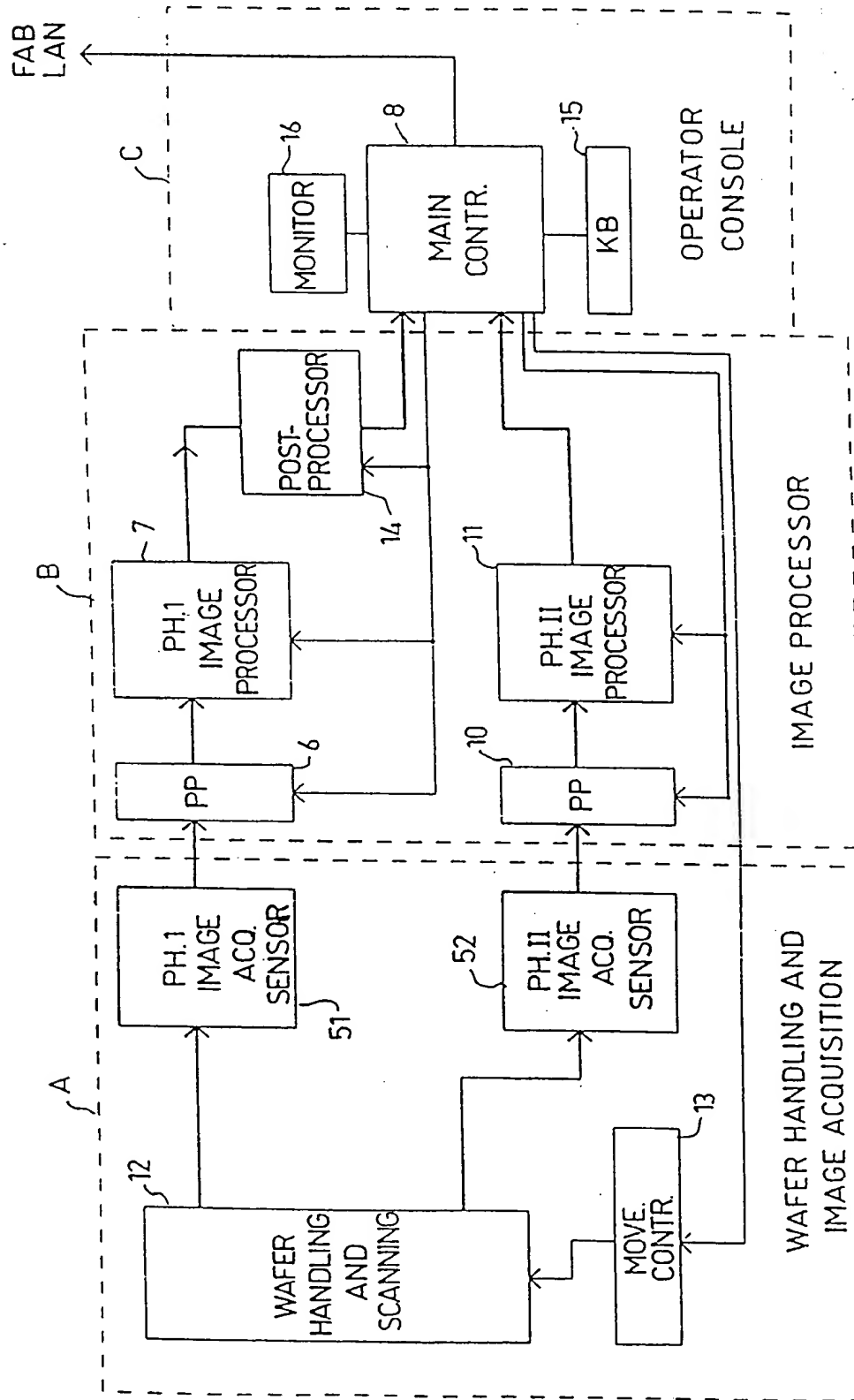


FIG. 2



The diagram illustrates a scanning system for a lithographic mask. It includes a light source (3) and a series of optical components: lenses (30, 32, 33a, 33b), apertures (34, 35, 40, 41), and a mask (36). The light path is controlled by a PH 1 PREPROCESSOR (6) and a PH 1 I.P. (PH 1 Image Plane). The scanning direction is indicated by arrows labeled "ADD SCANNING DIRECTION" and "STAGE SCANNING DIRECTION".

FIG. 4

FIG. 6

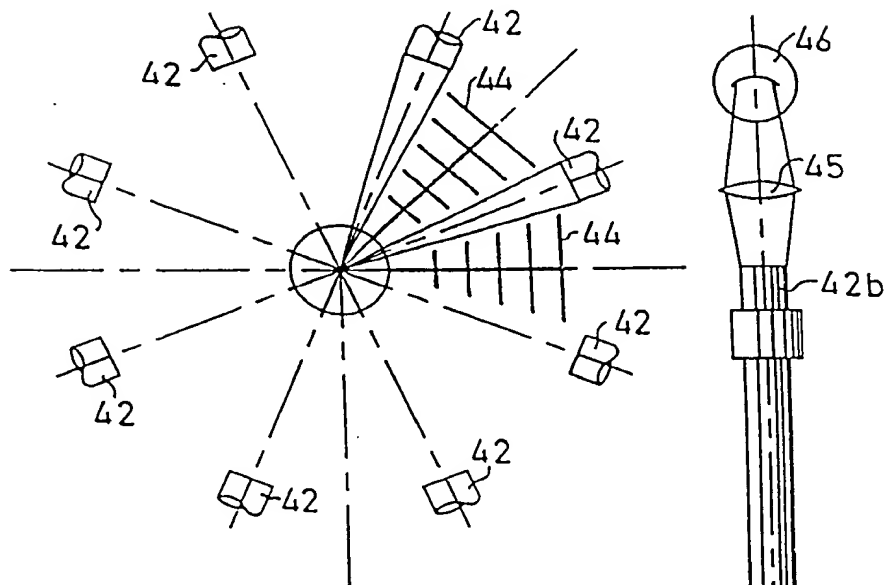


FIG. 7

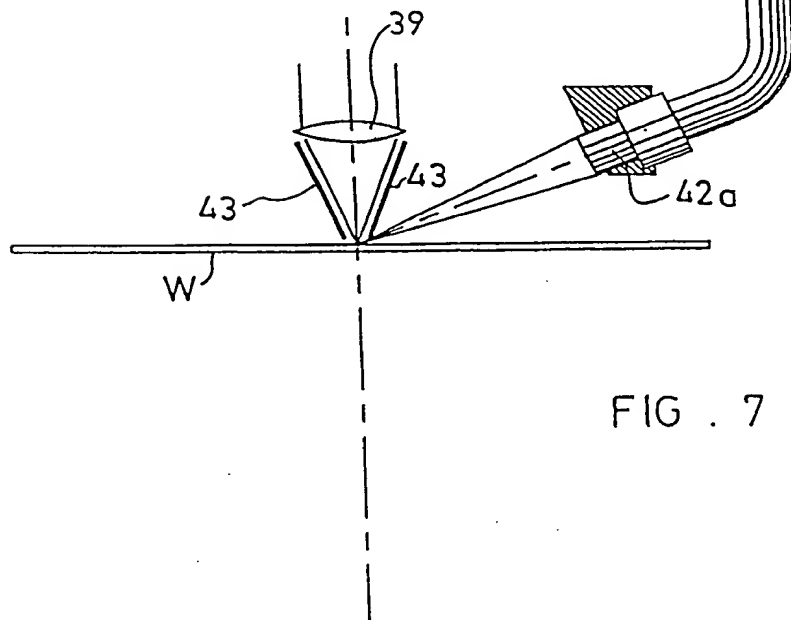


FIG. 6a

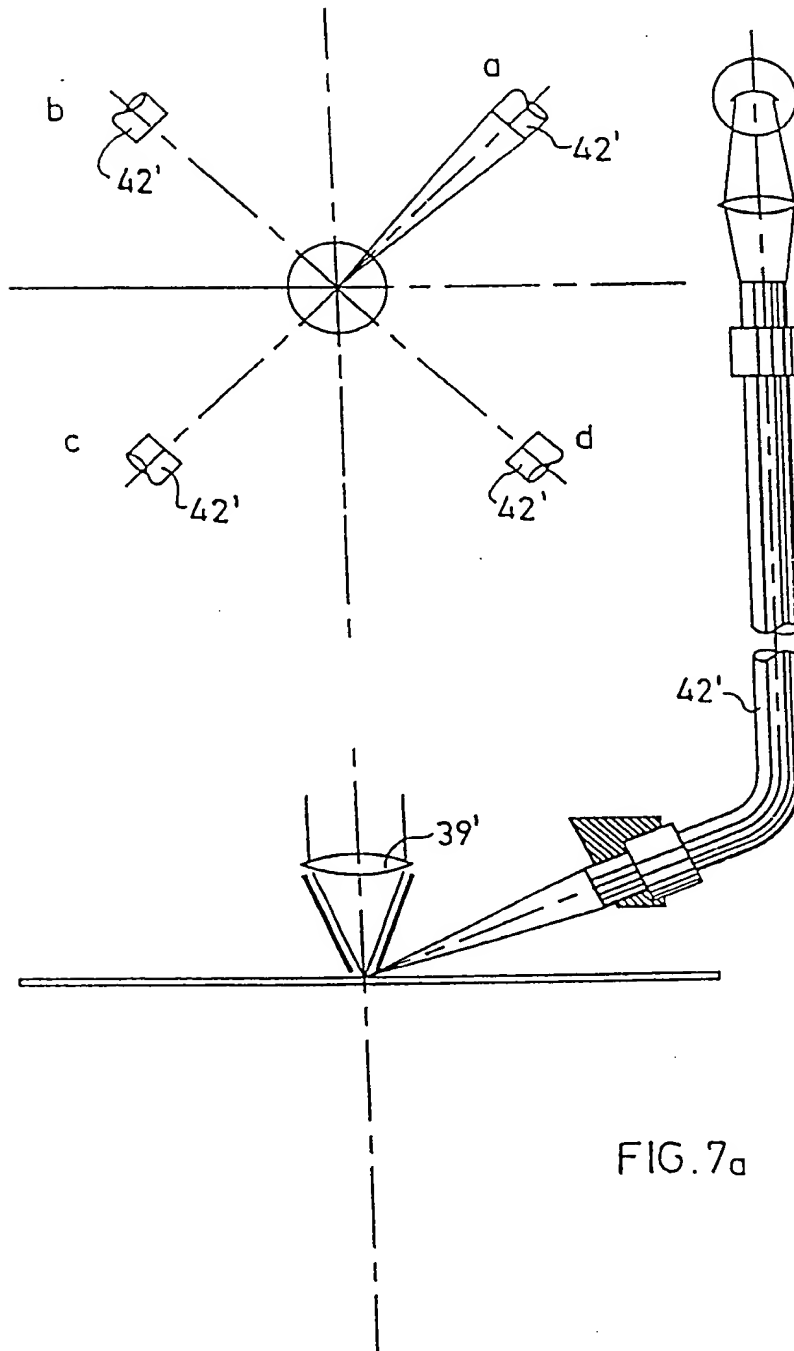
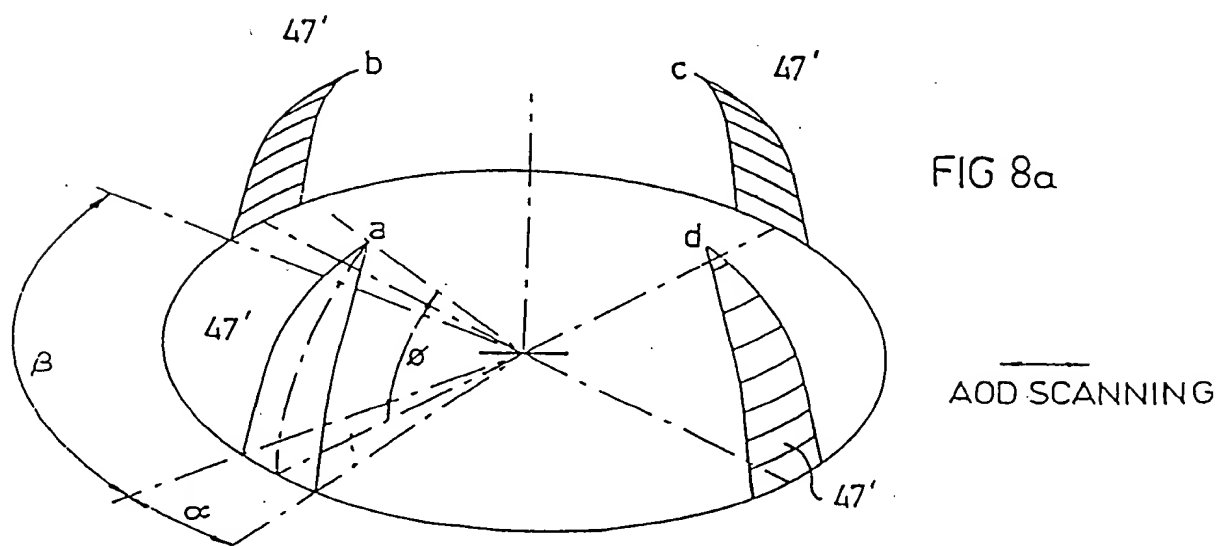


FIG. 7a



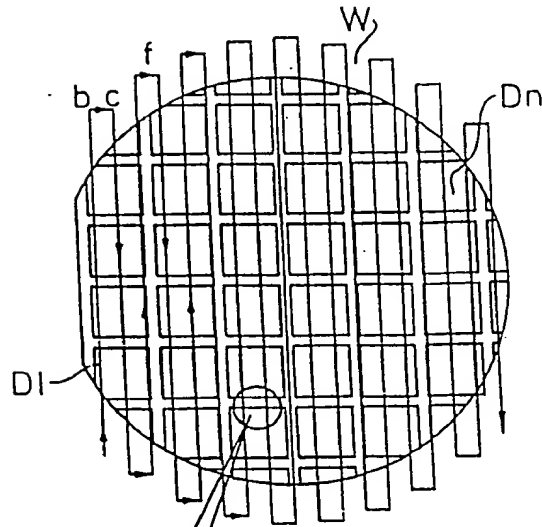


FIG. 9

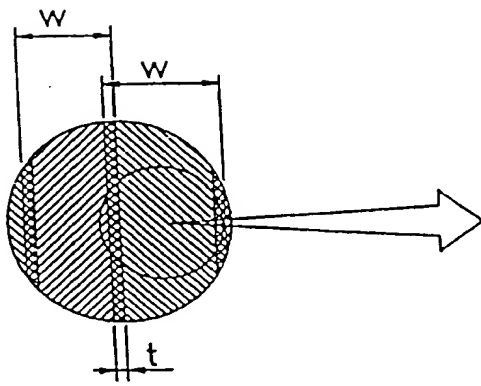


FIG. 10

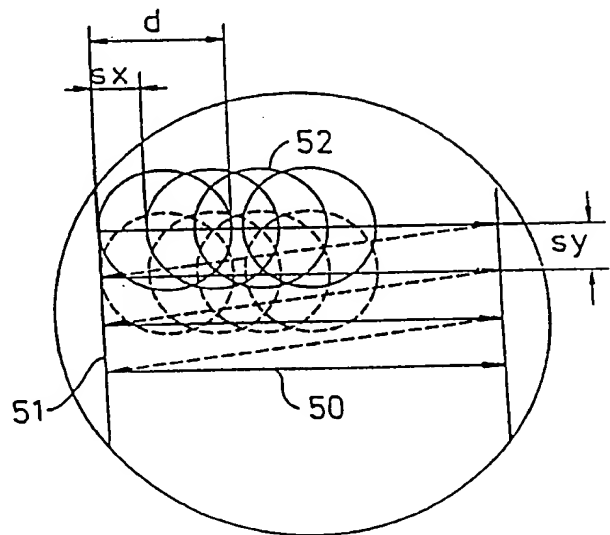
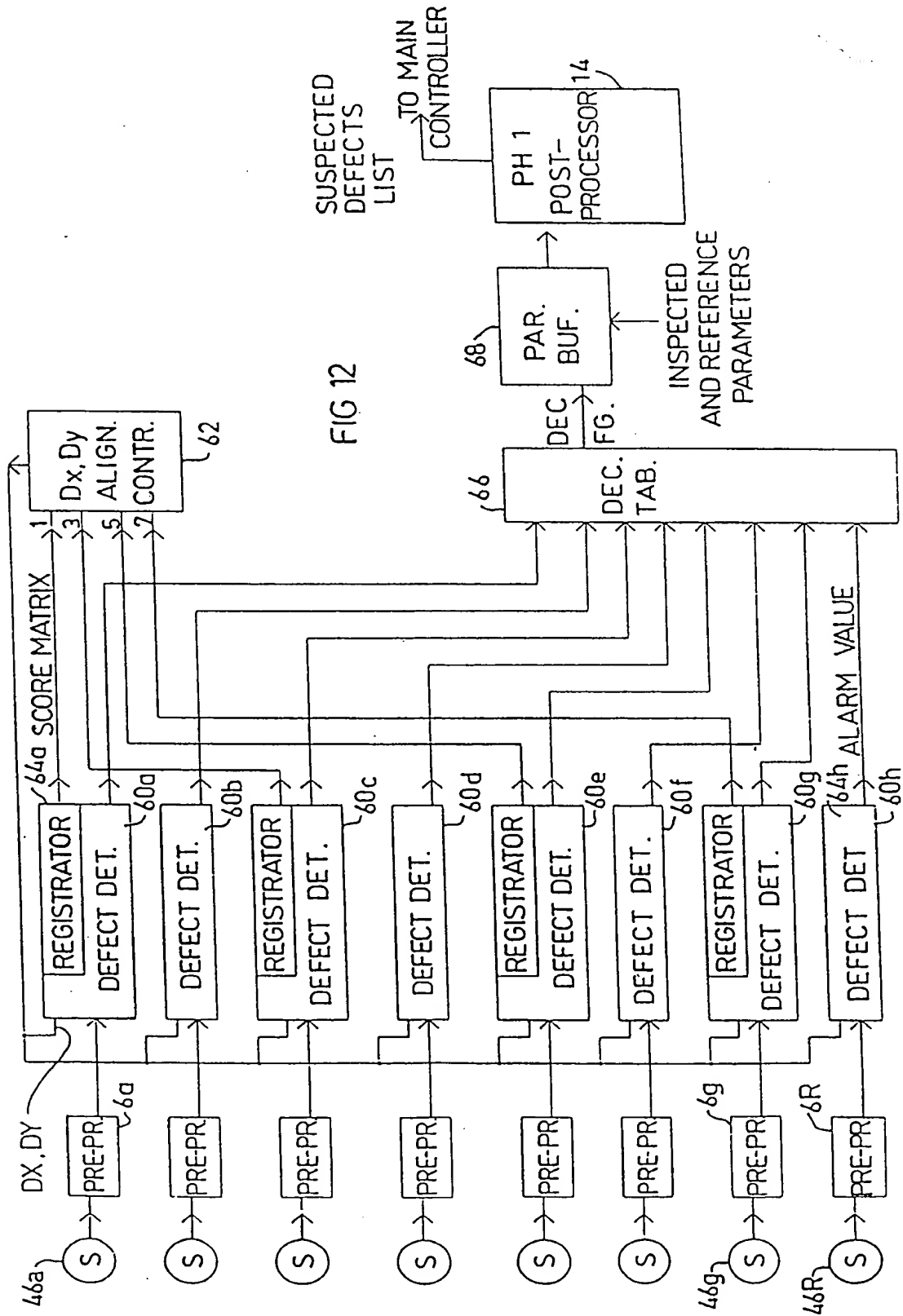


FIG. 11

FIG 12



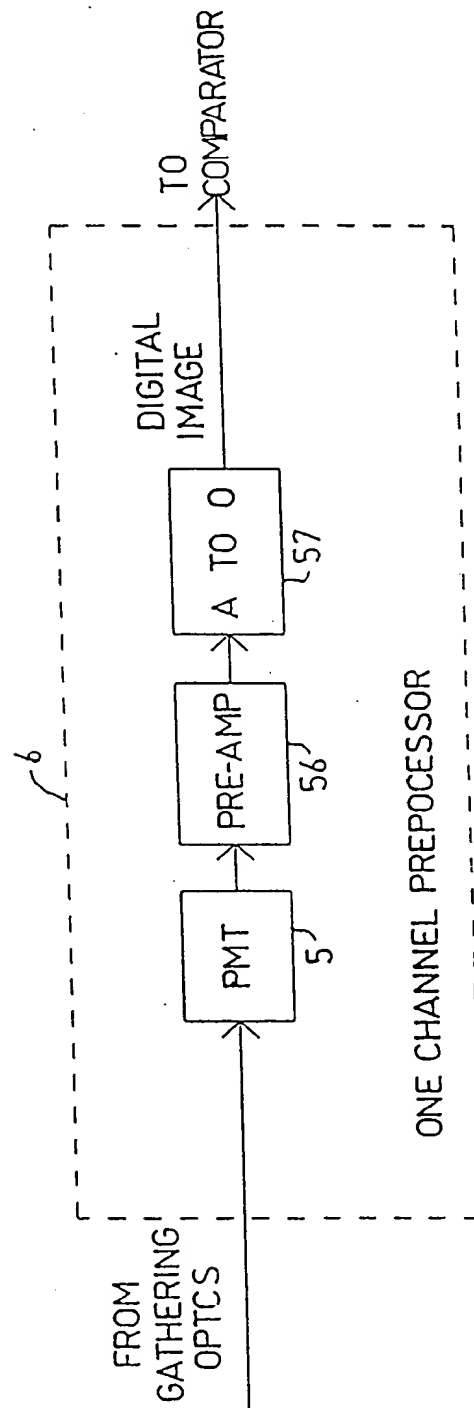


FIG. 13

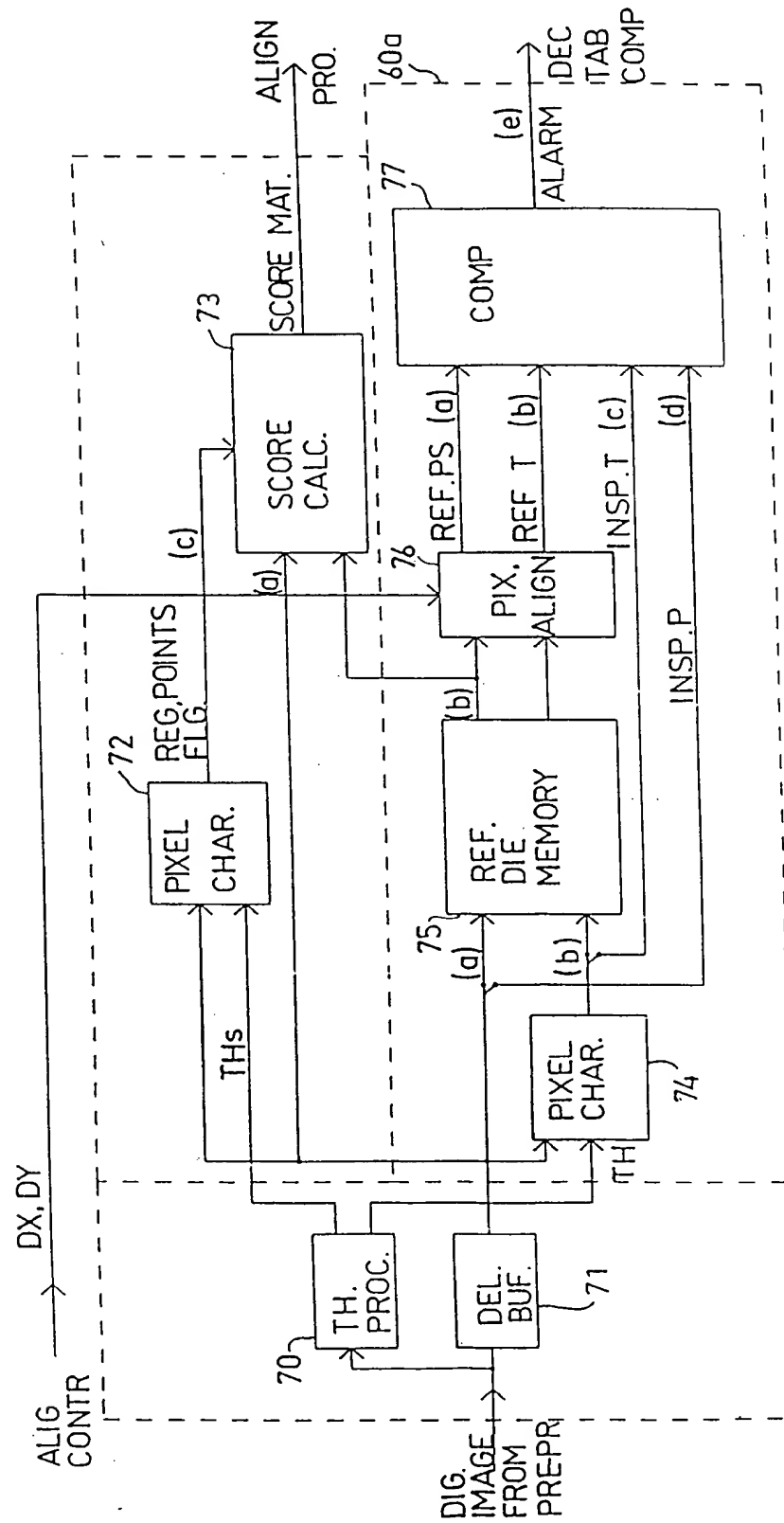


FIG. 14

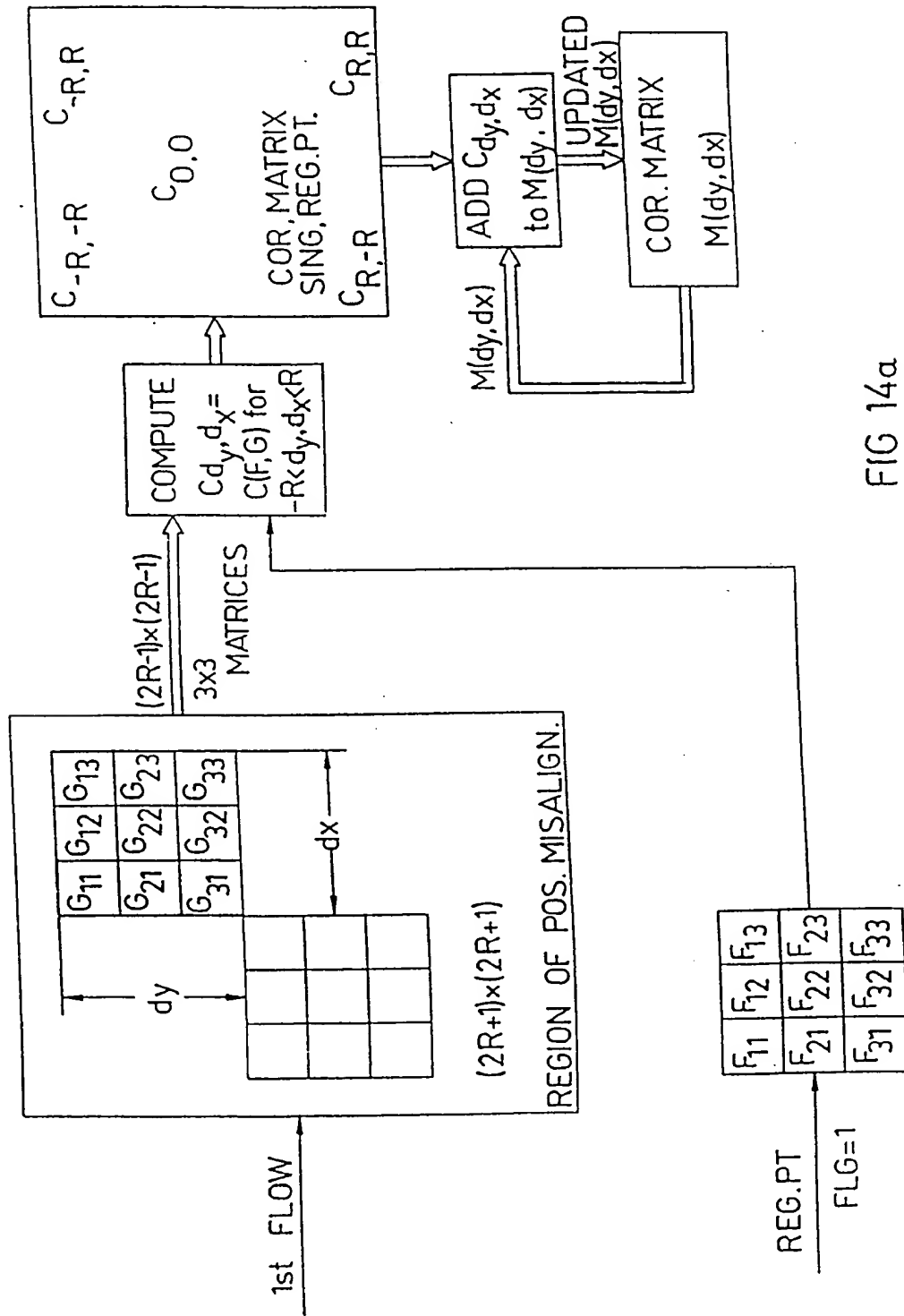


FIG 14a

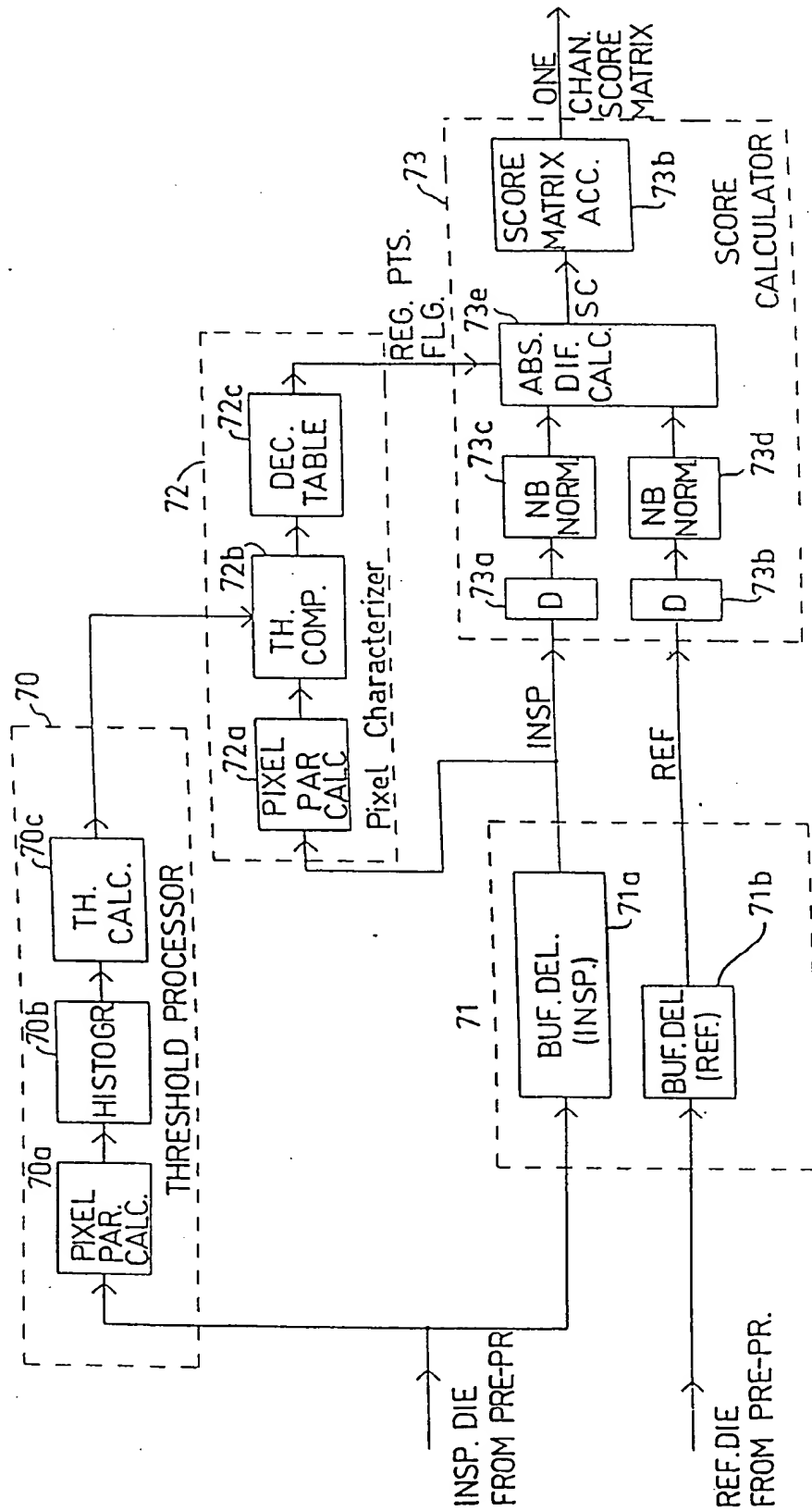


FIG. 15

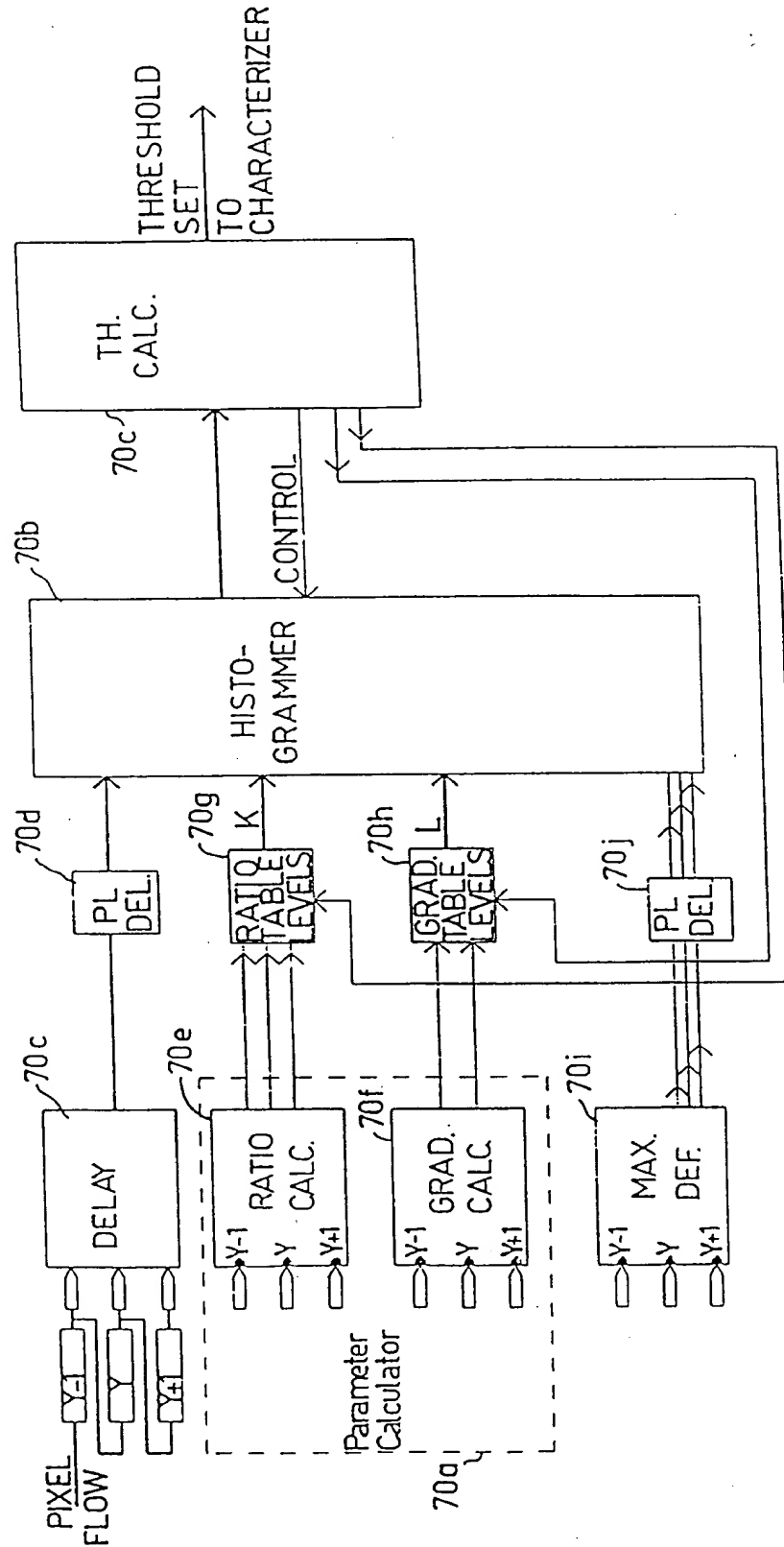
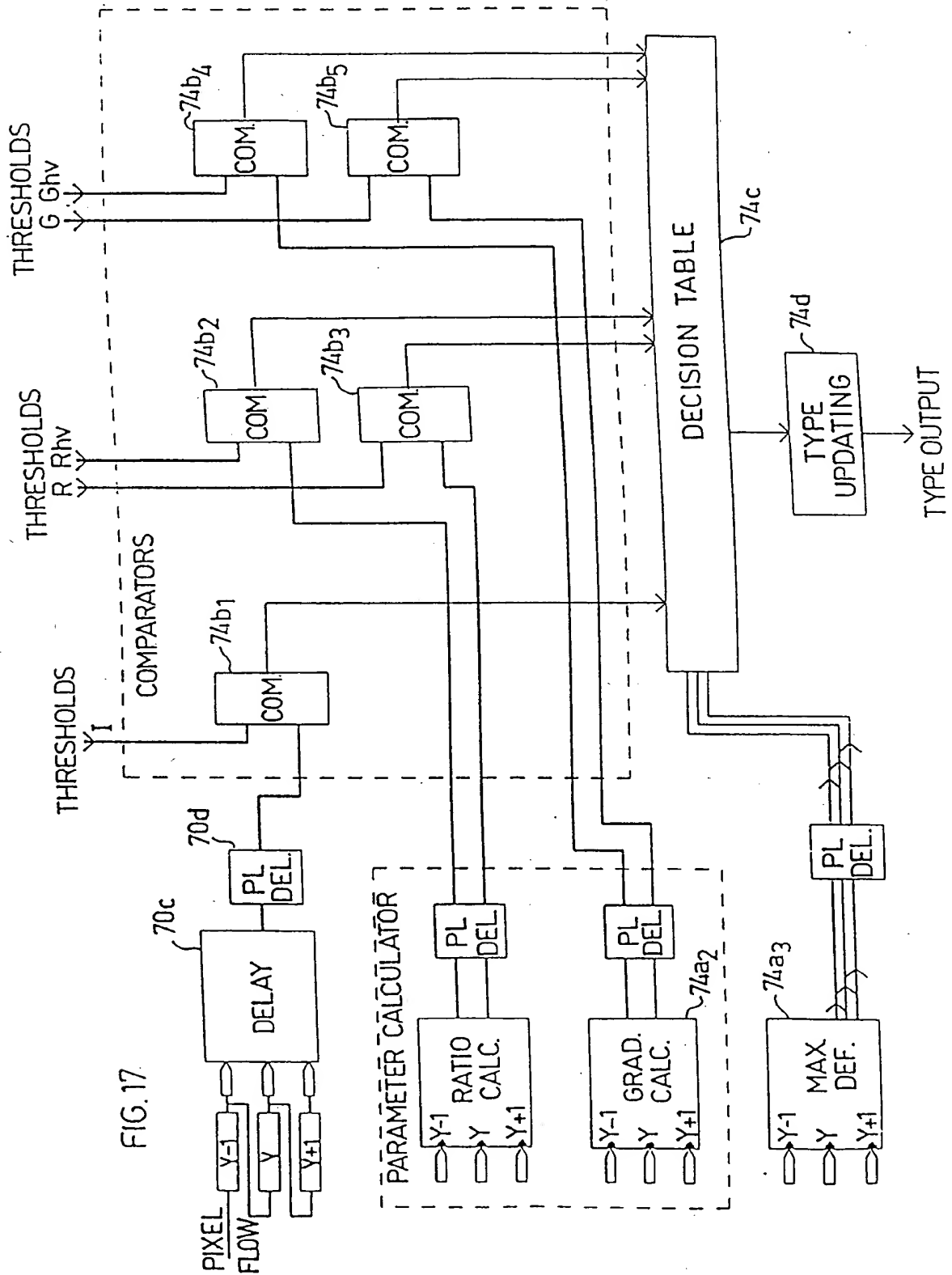
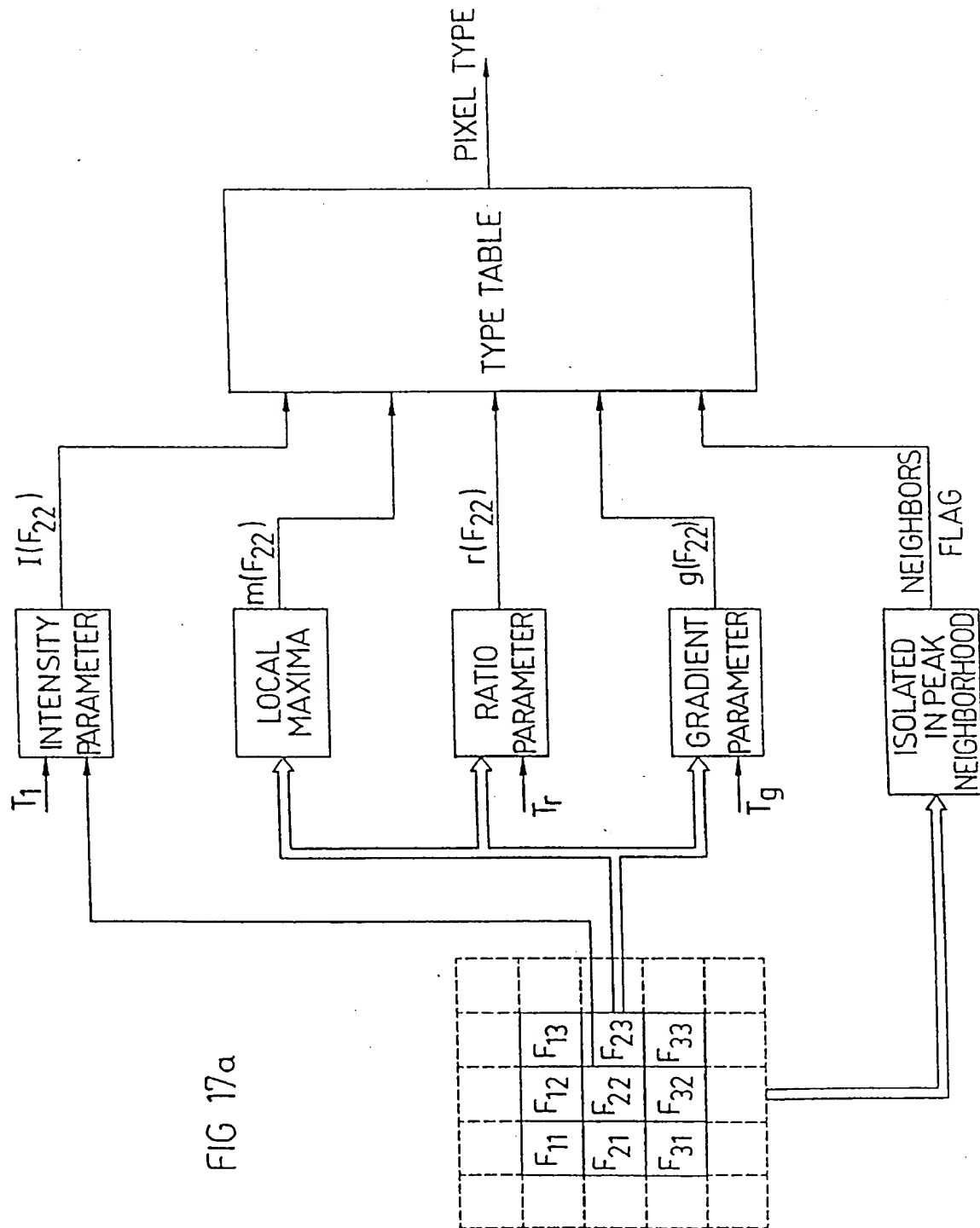


FIG. 16





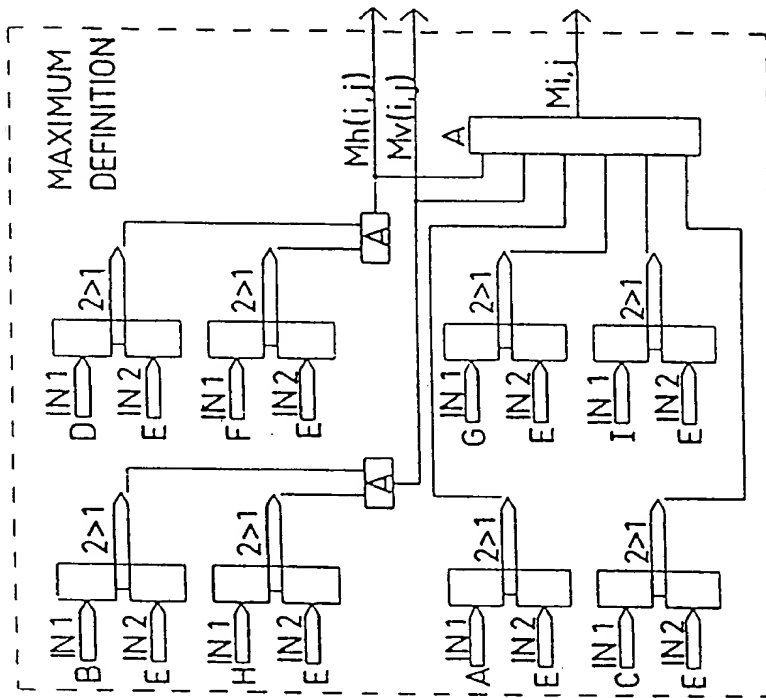


FIG 20

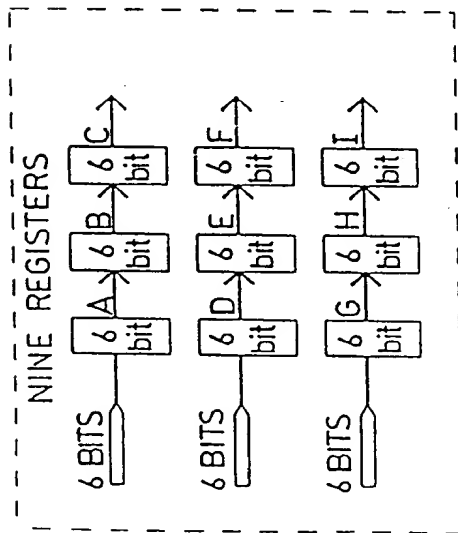


FIG 21a

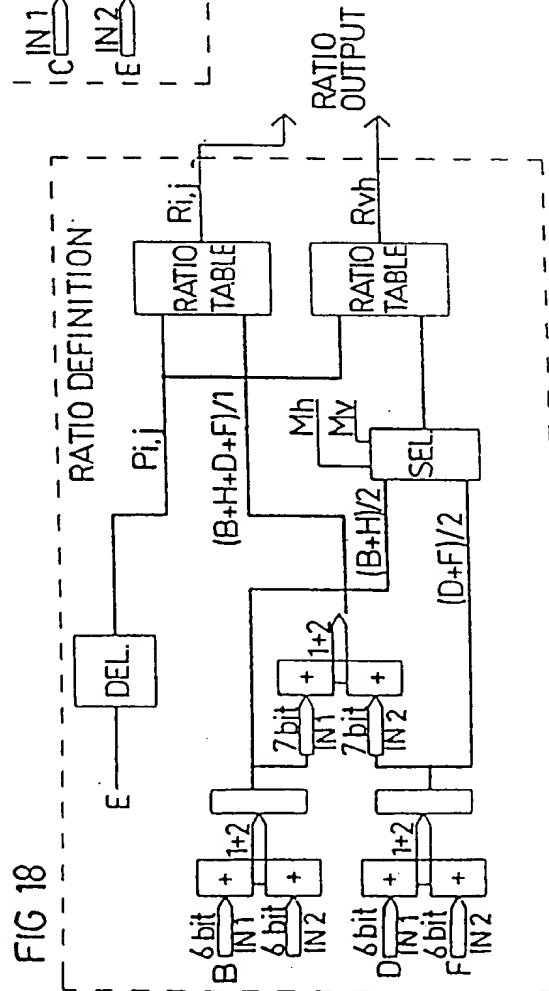
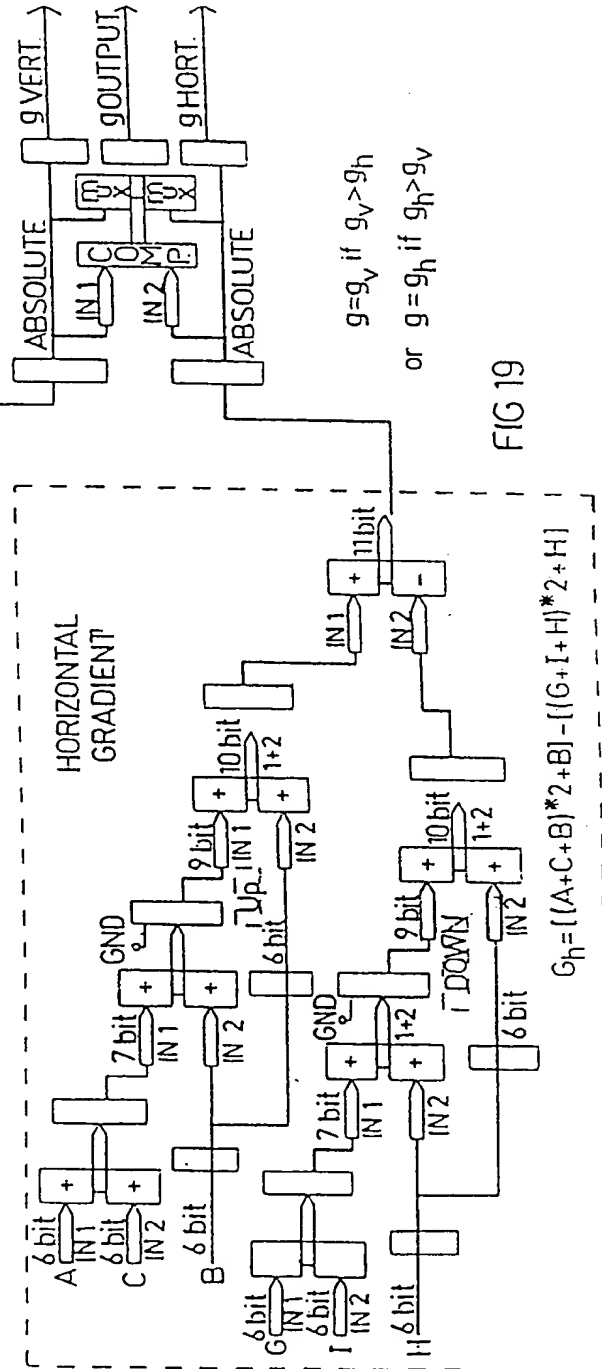
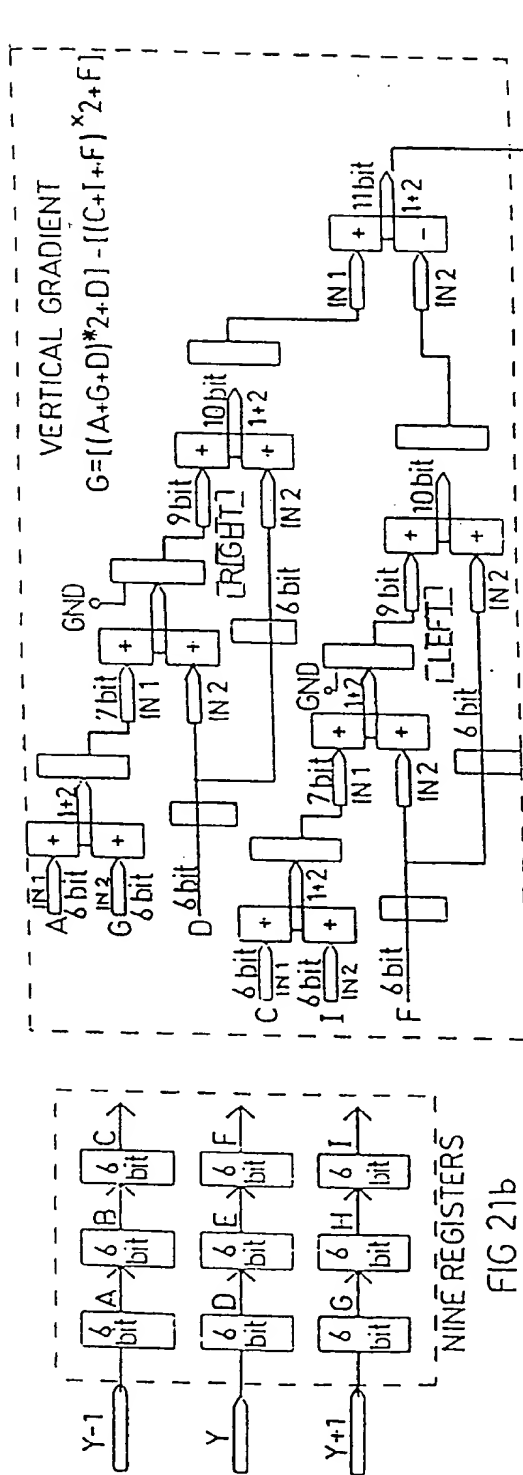


FIG 18



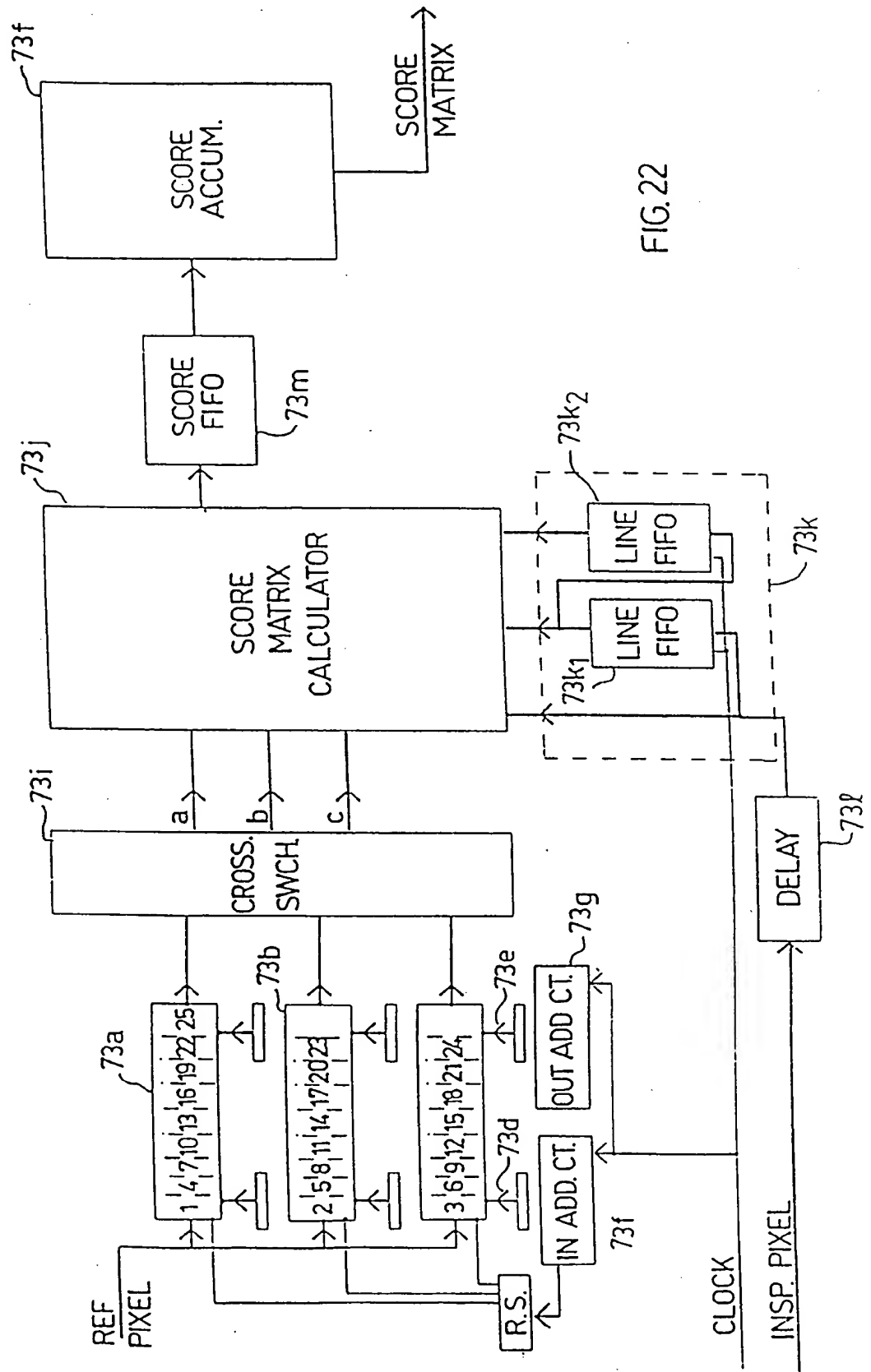


FIG. 22

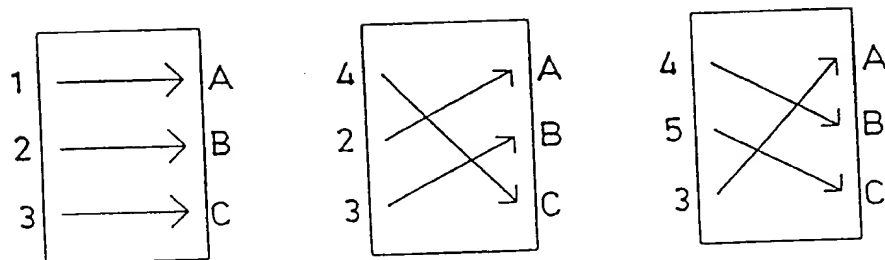


FIG . 22a

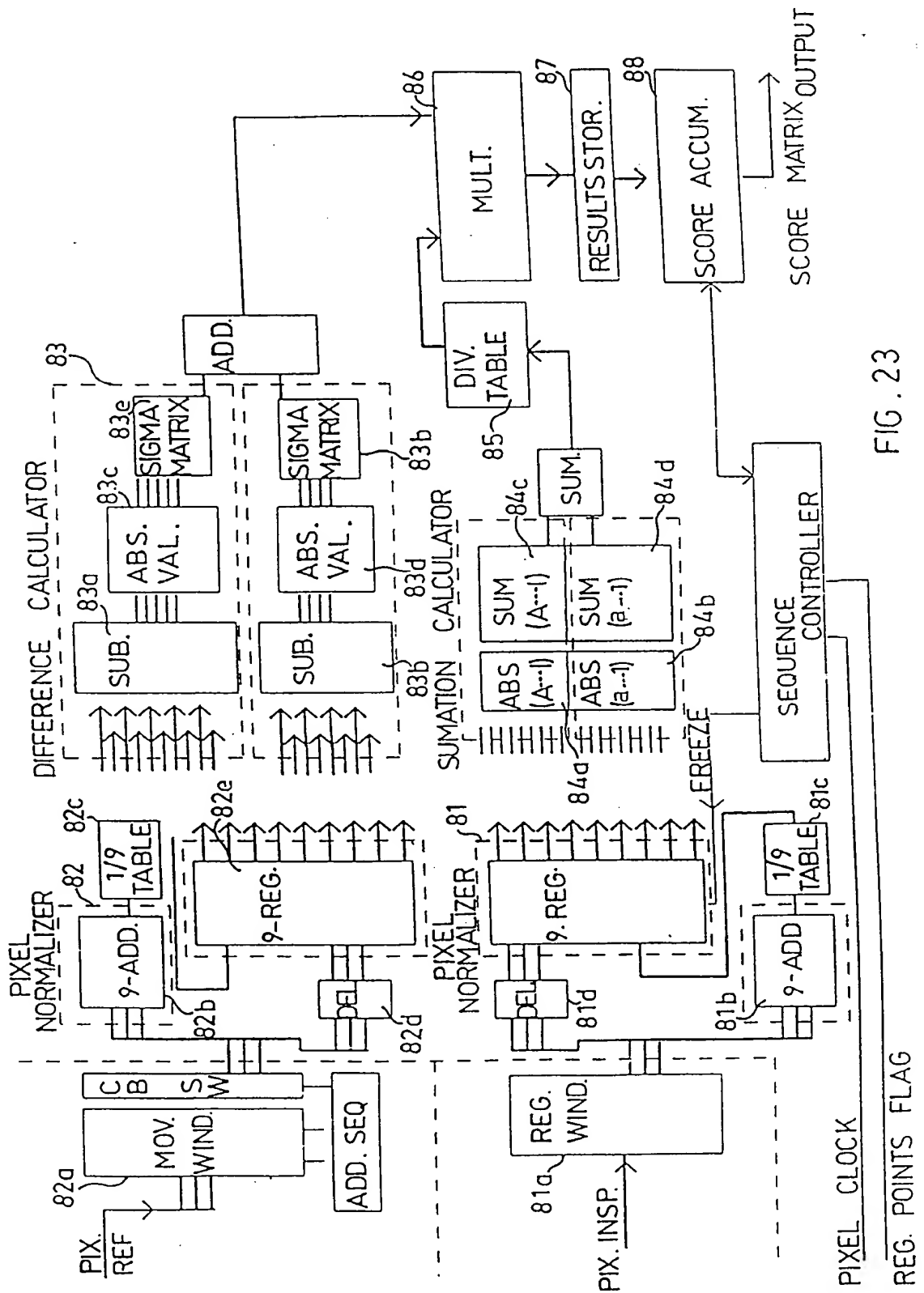


FIG. 23

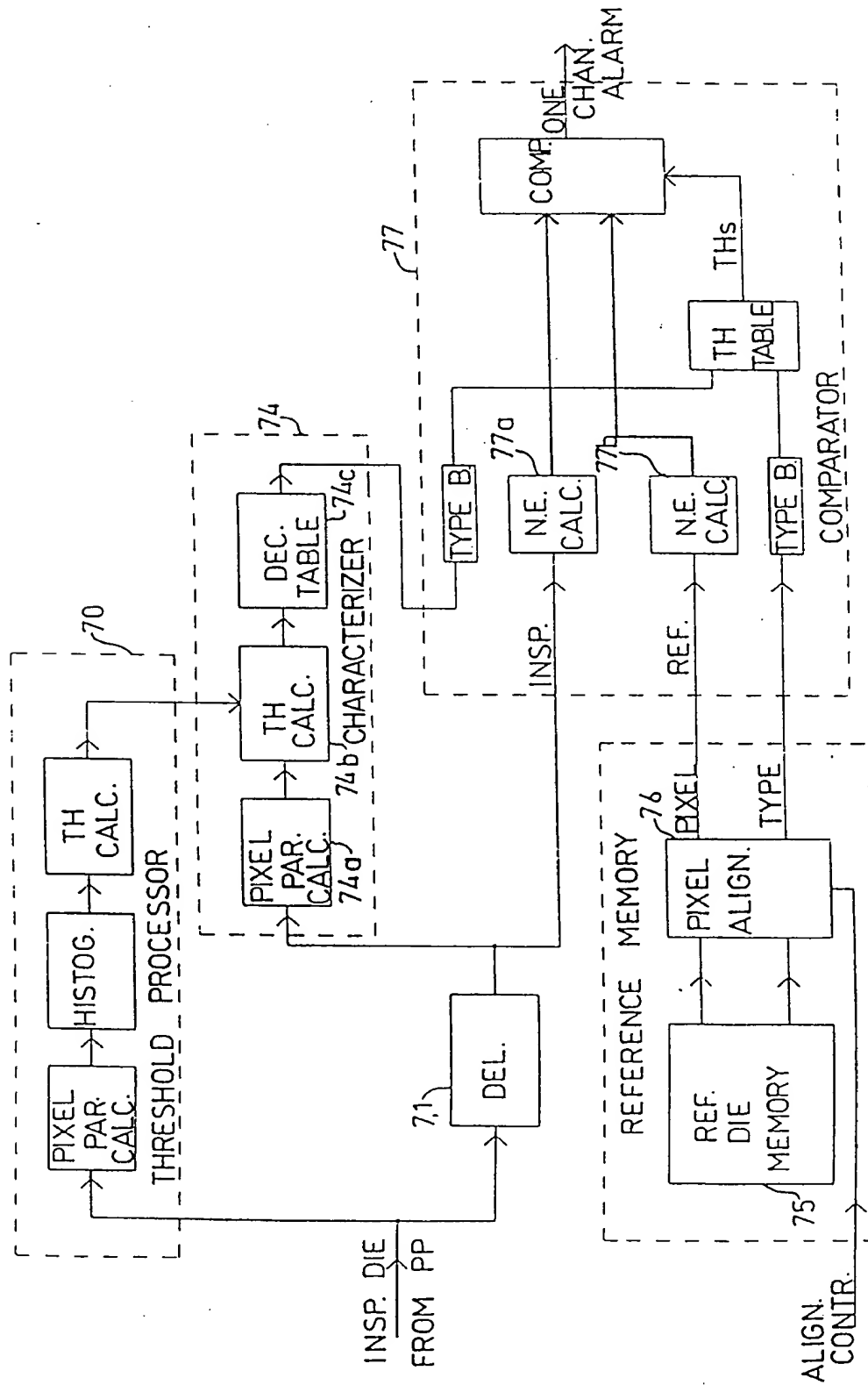
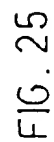


FIG. 24



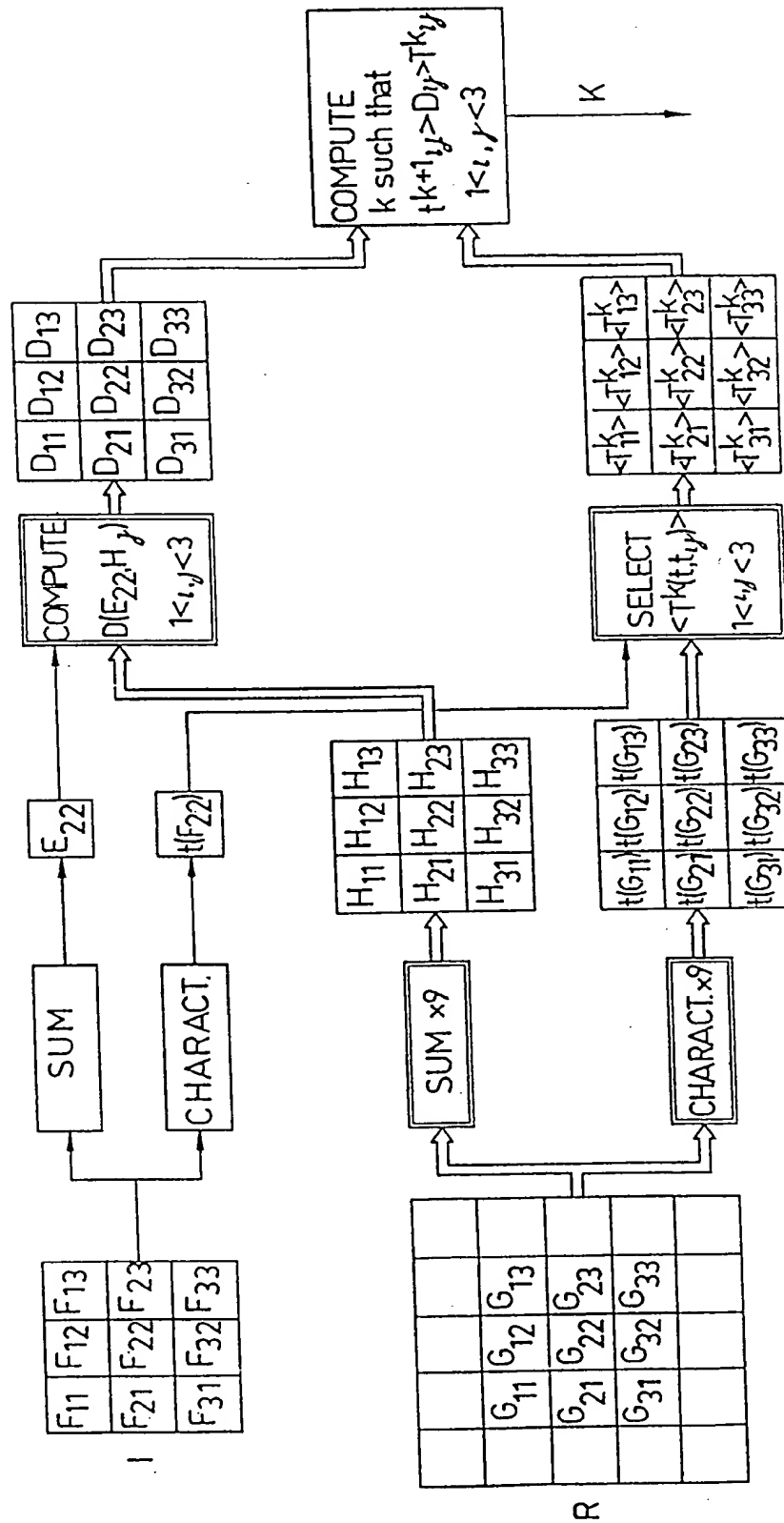
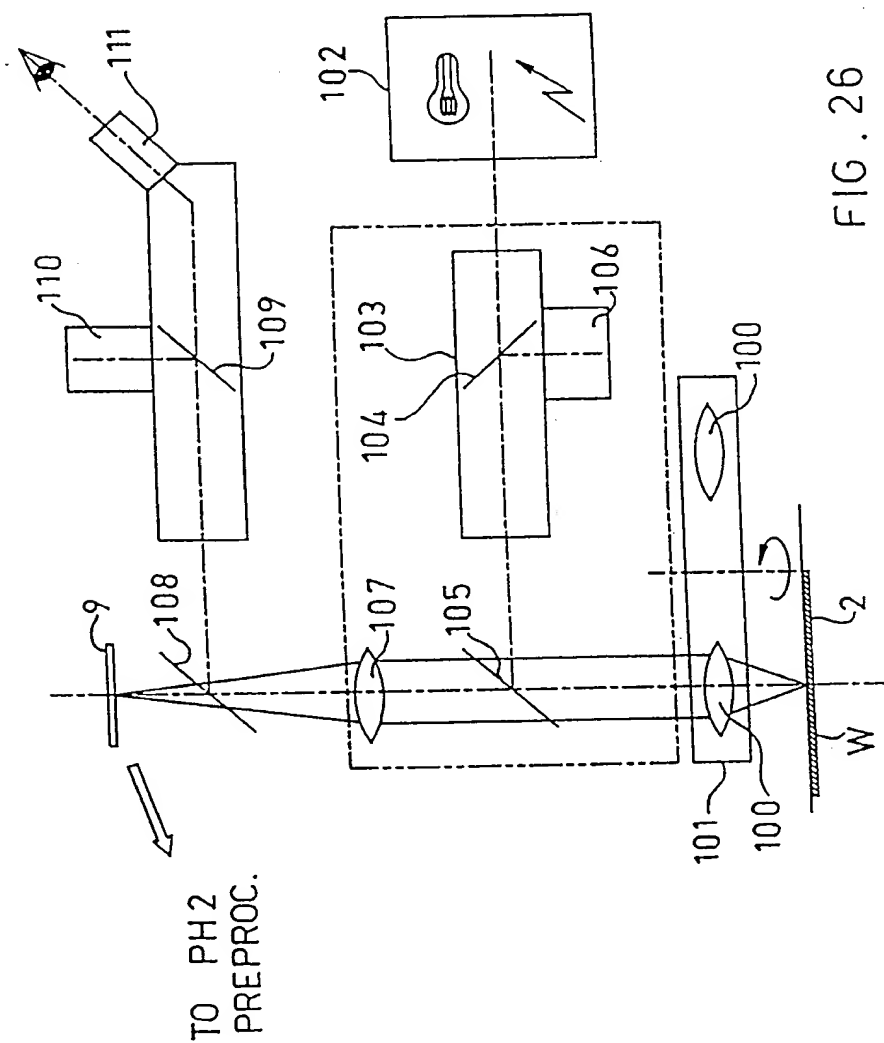


FIG 25a



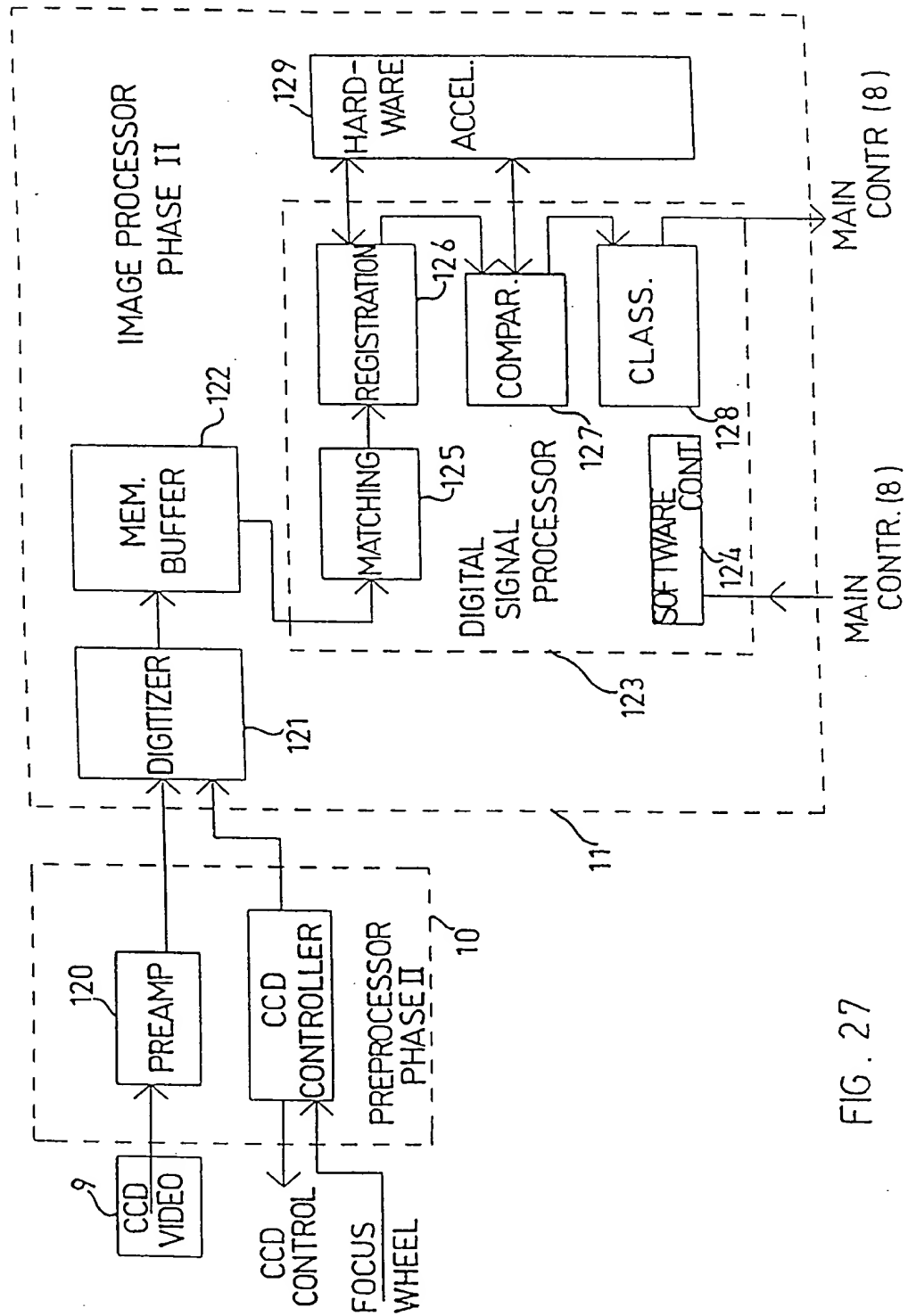


FIG. 27

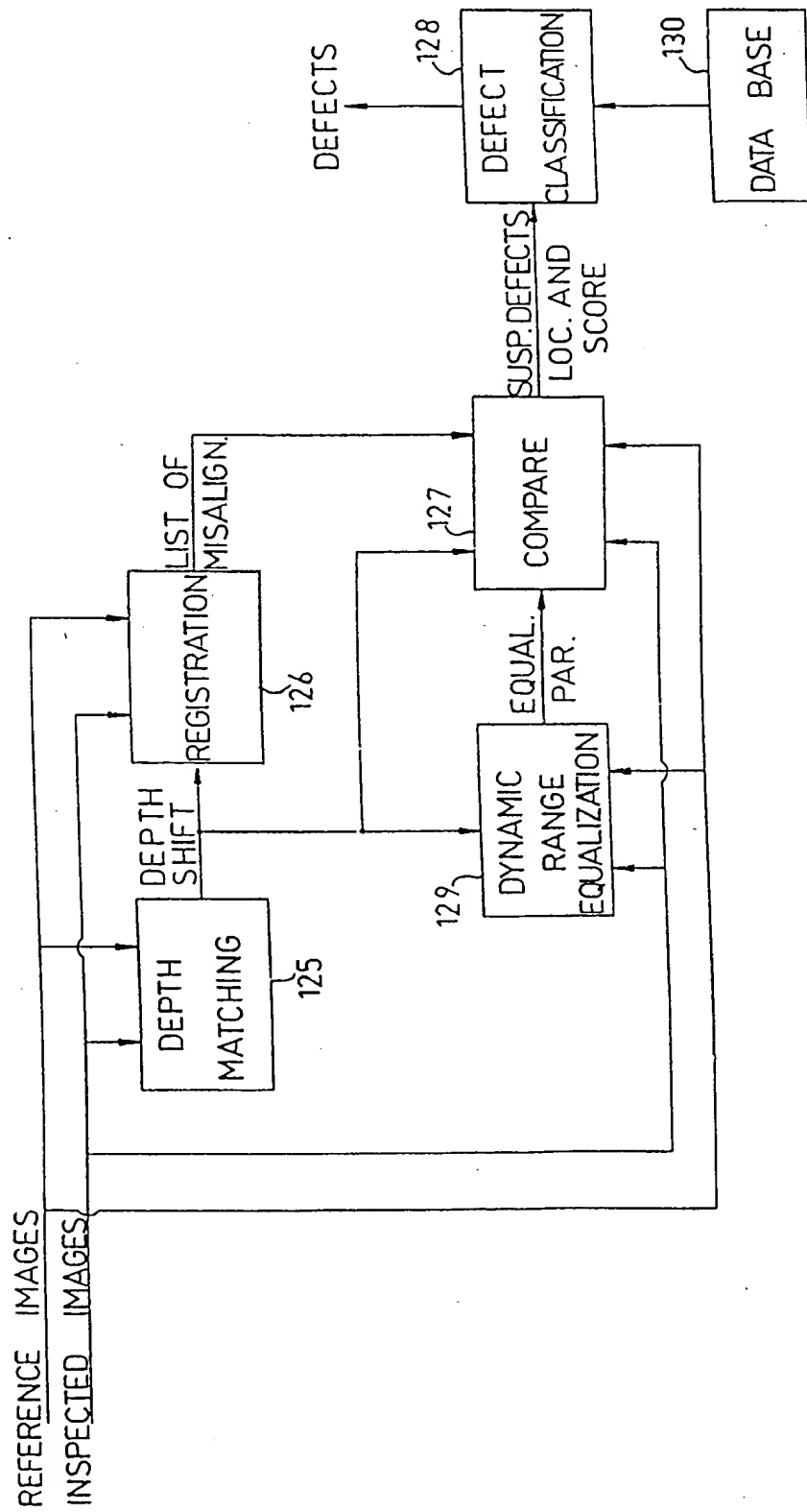


FIG. 28

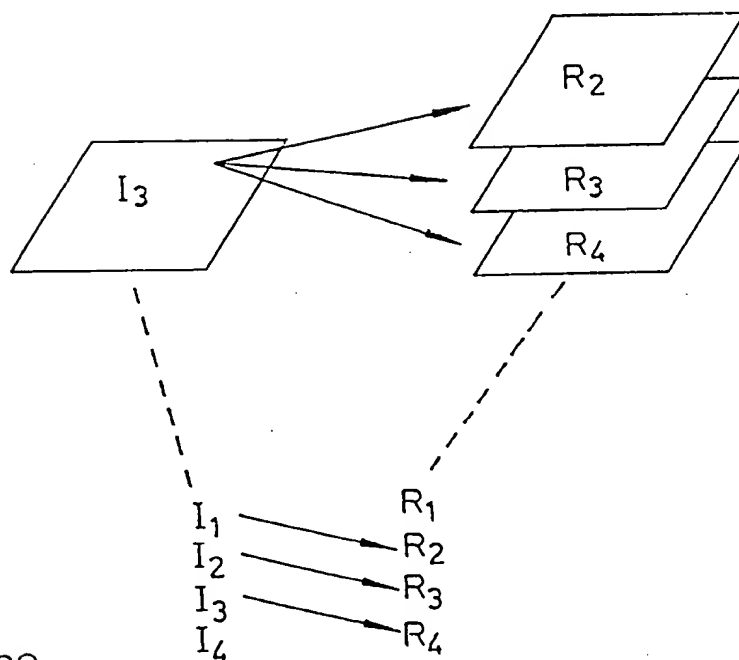


FIG. 29

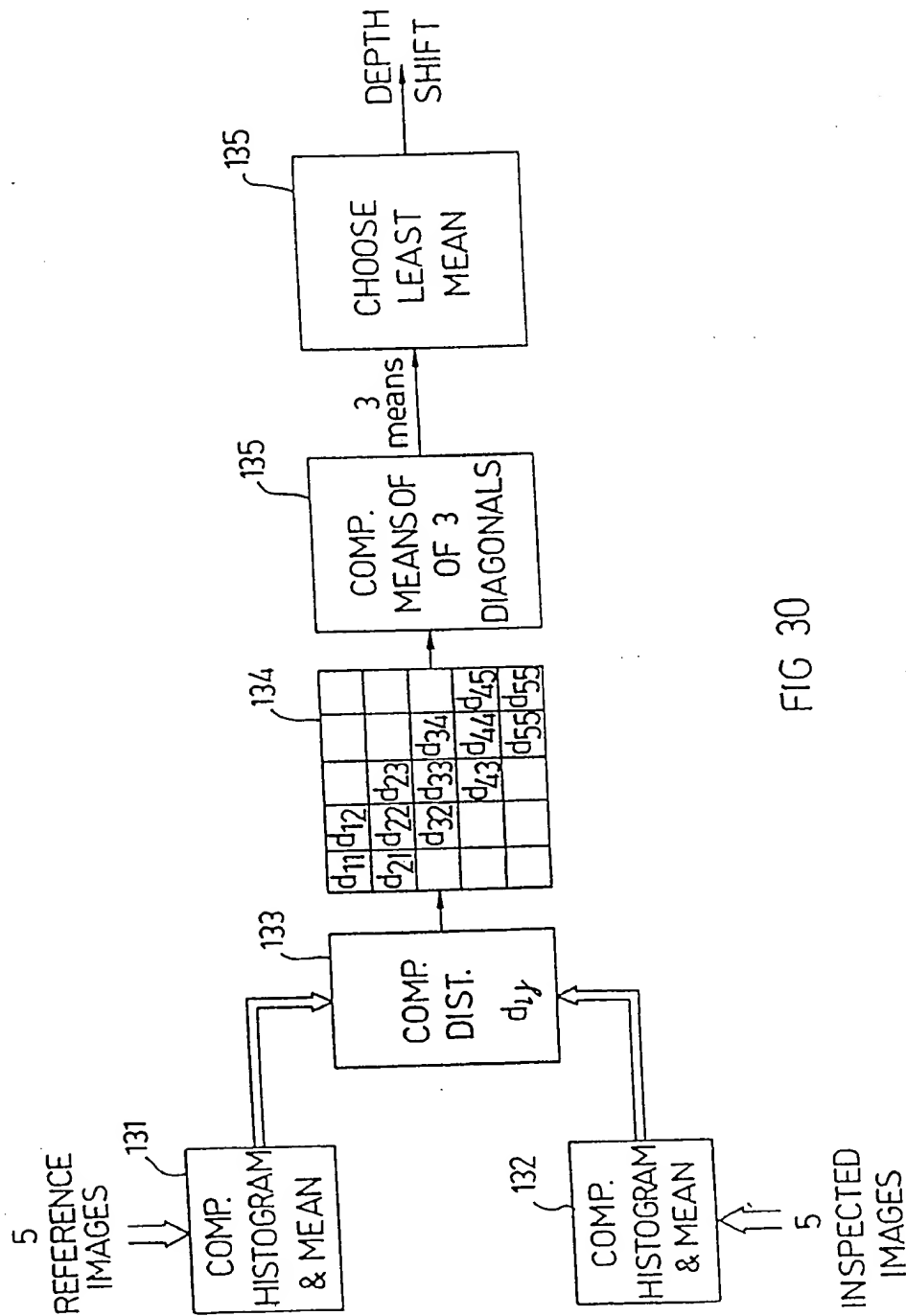


FIG 30

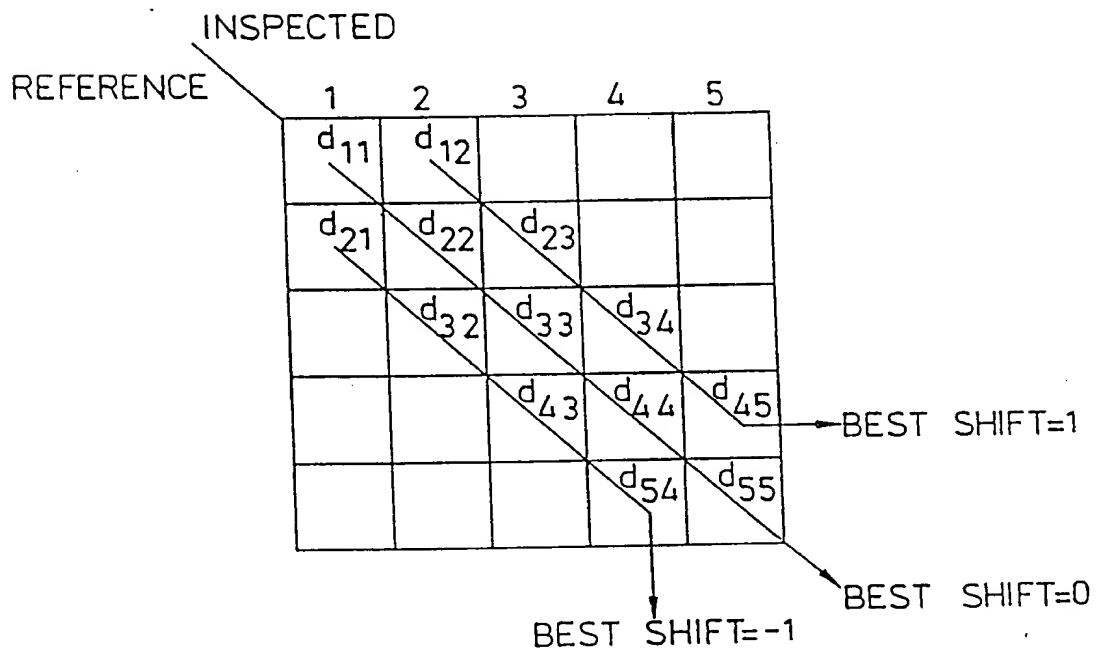


FIG . 31

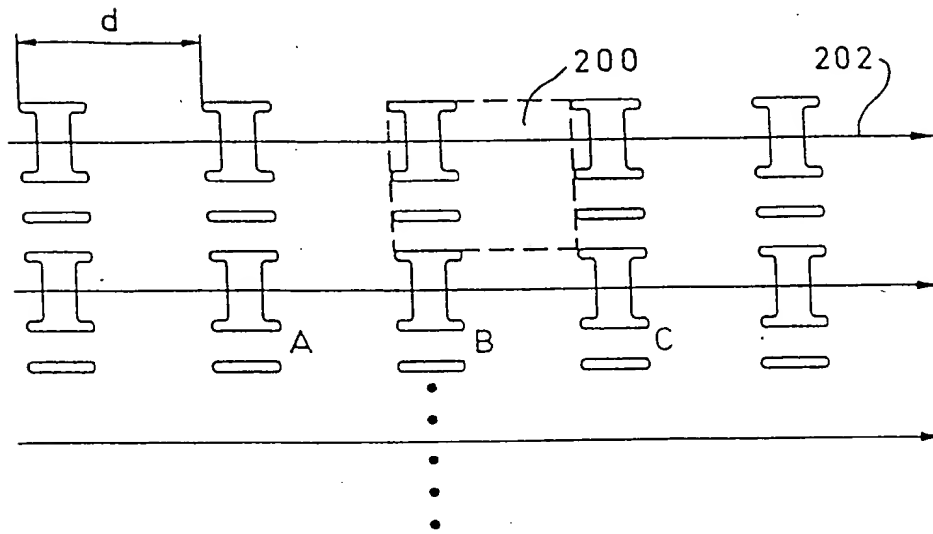


FIG. 32

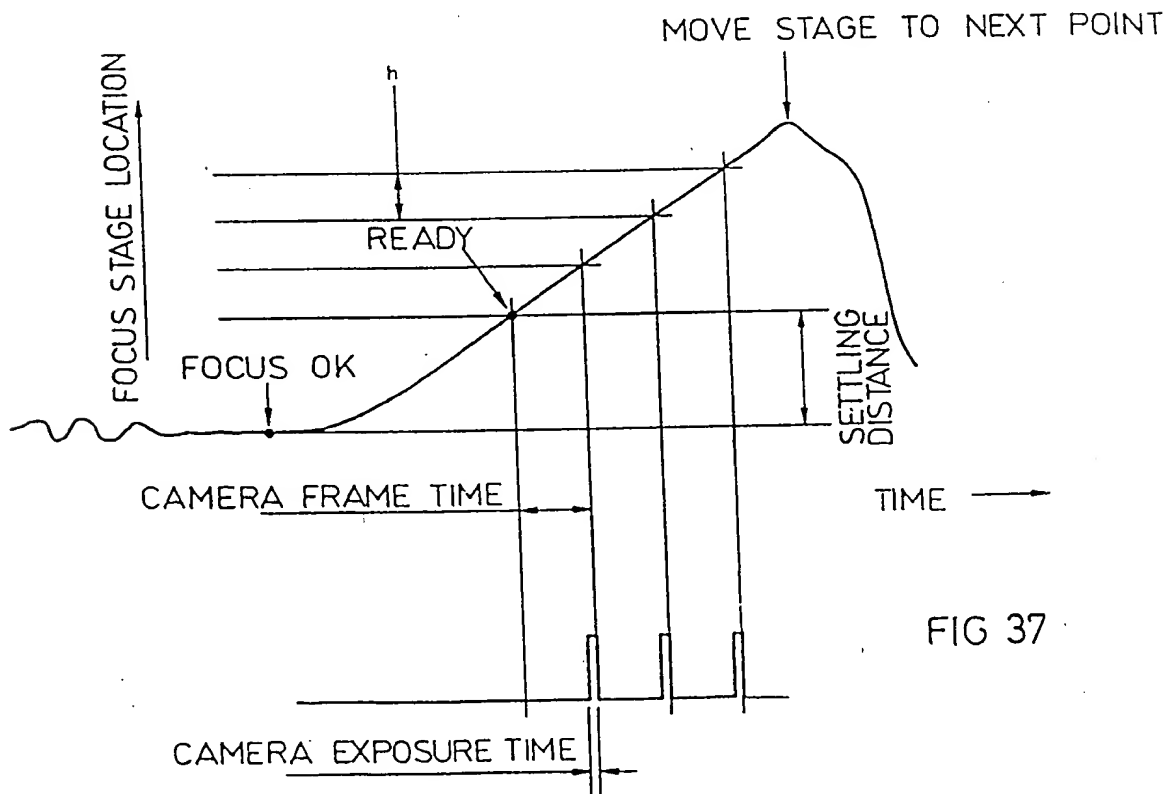


FIG 37

204
SHIFT CONTR.

260a
60a

DEF. DET. 1

PP.

SEN. 1

DEF. DET. 2

PP.

SEN. 2

DEF. DET. 3

PP.

SEN. 3

DEF. DET. 4

PP.

SEN. 4

DEF. DET. 5

PP.

SEN. 5

DEF. DET. 6

PP.

SEN. 6

DEF. DET. 7

PP.

SEN. 7

DEF. DET. 8

PP.

SEN. 8

260h
60h

AL. VALUE

266

DEC. TABLE

AL.

266a

AL. DEF. KILL. FG.

266b

MASK. MEN

PAR. BUF.

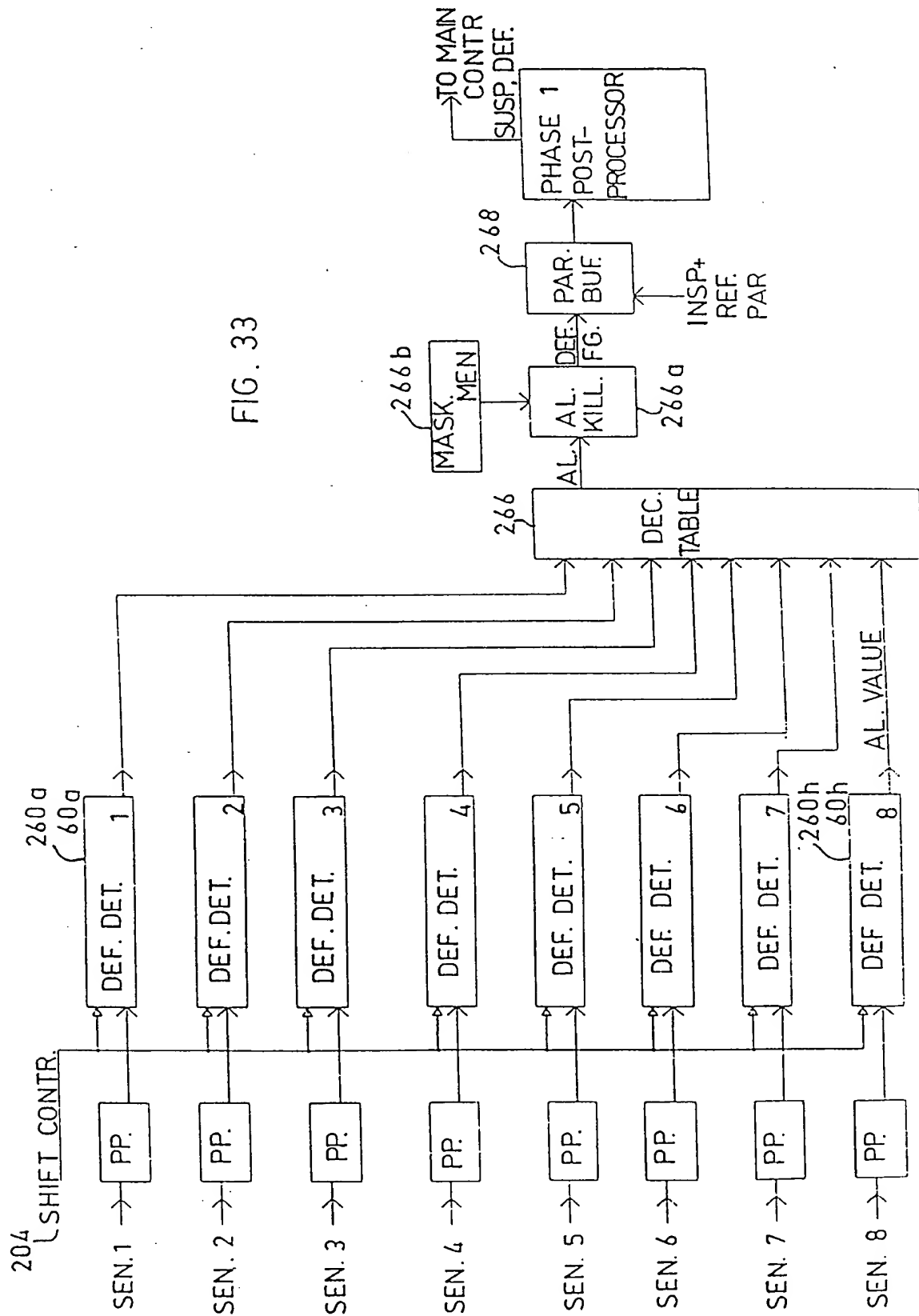
268

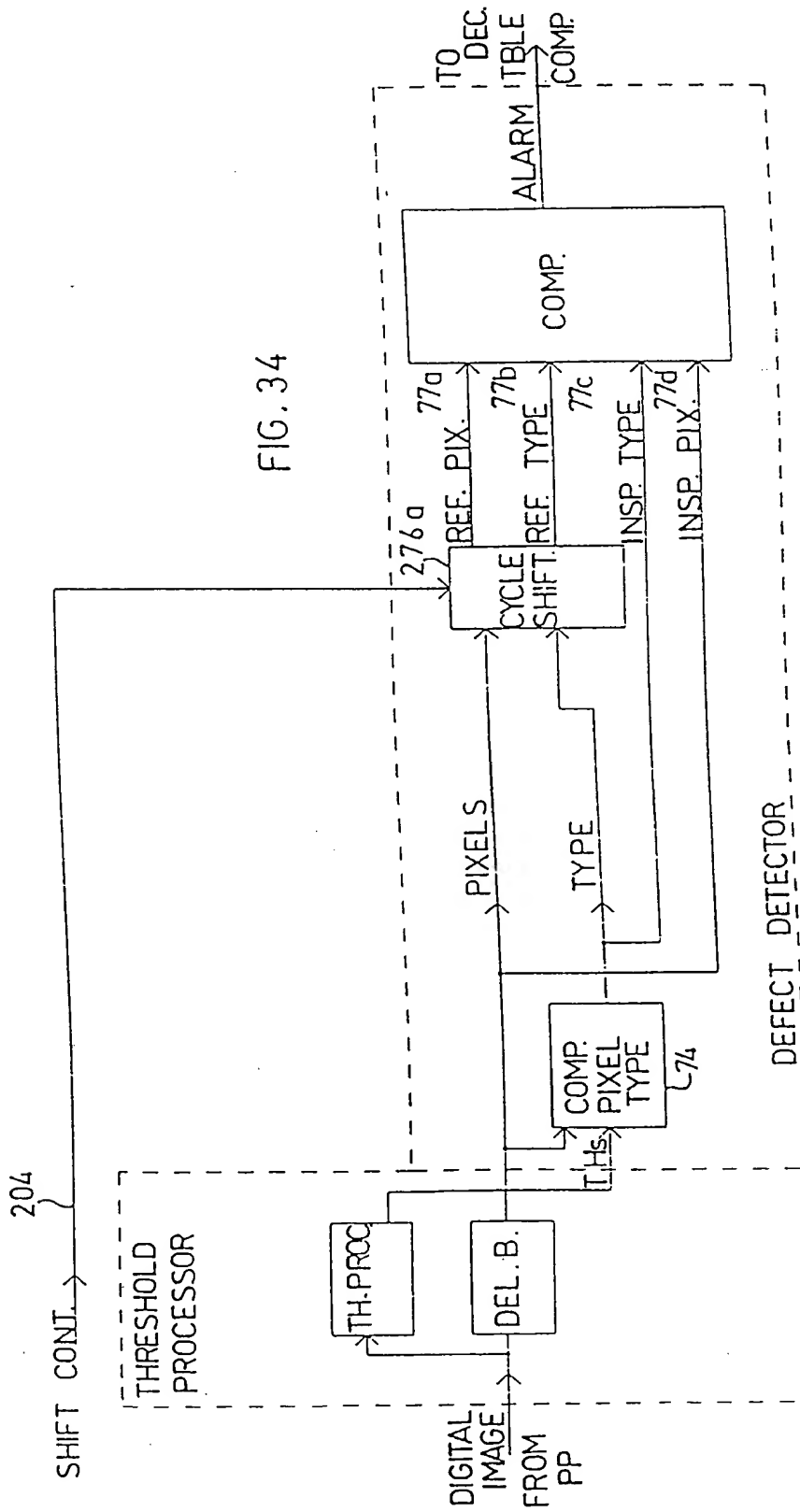
INSP+
REF.
PAR

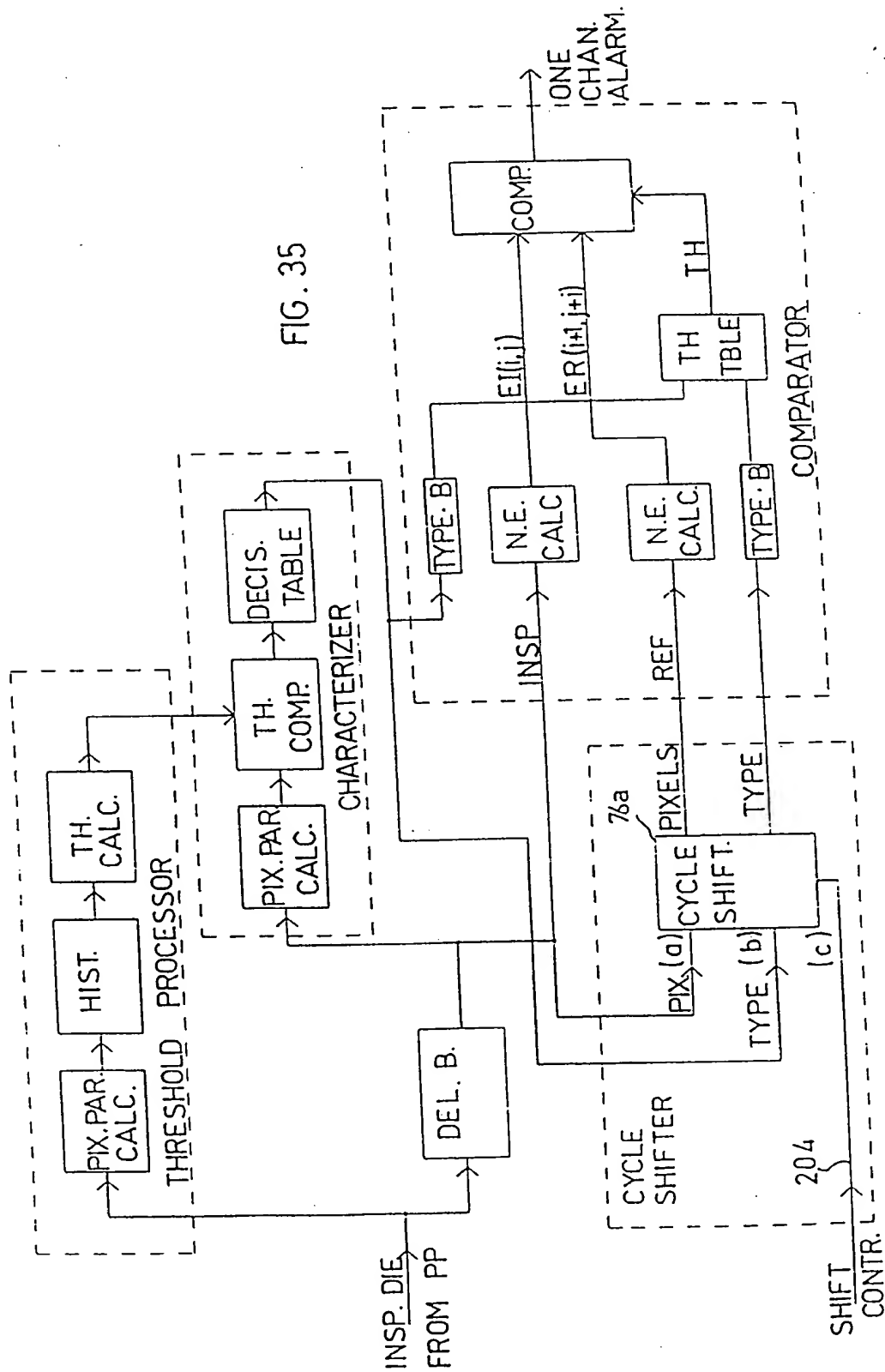
PHASE 1
POST-
PROCESSOR

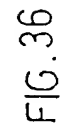
TO MAIN
CONTR
SUSP. DEF.

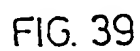
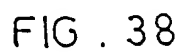
FIG. 33











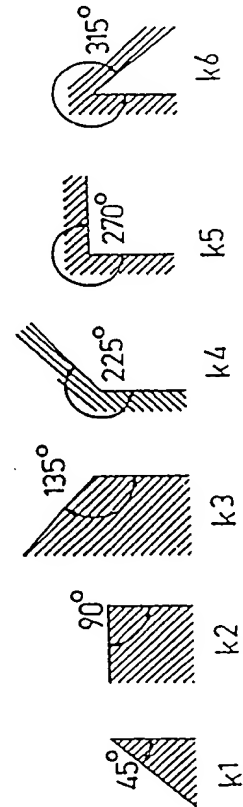
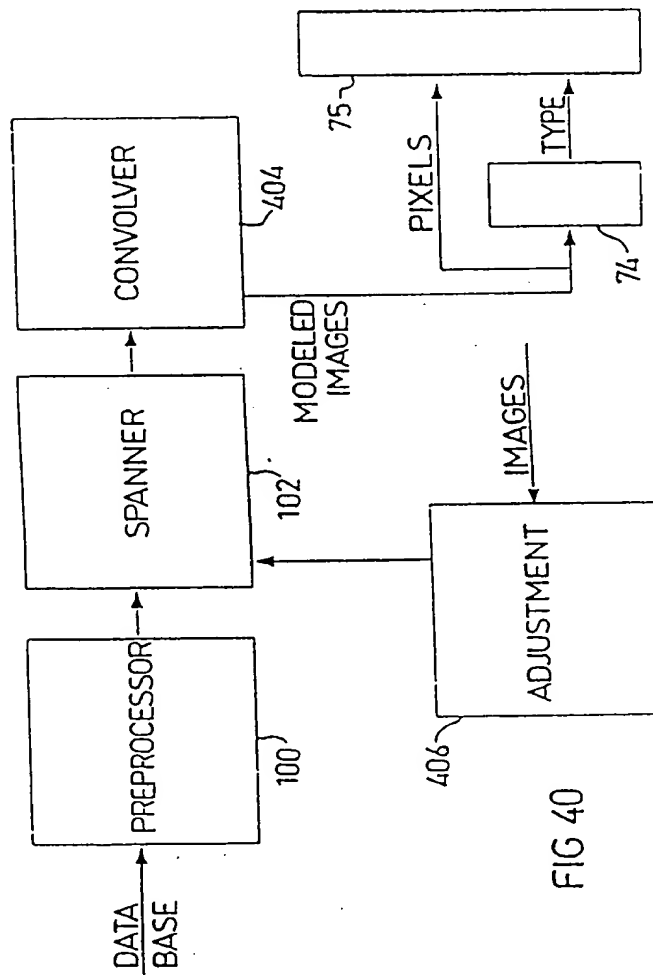
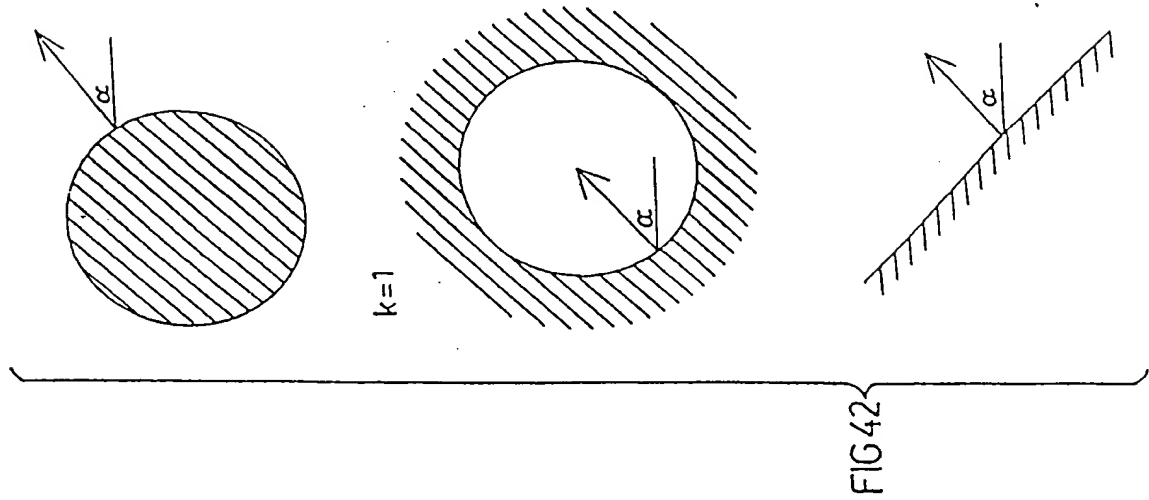
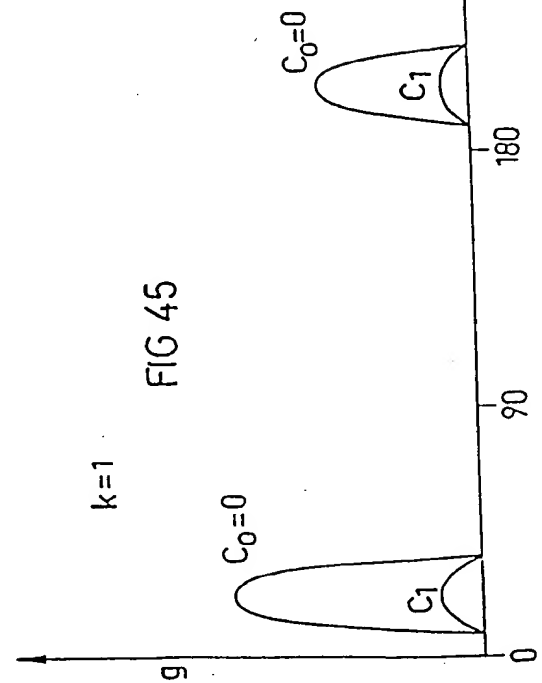
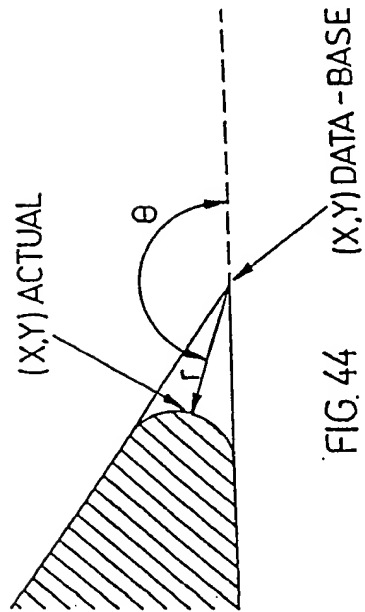
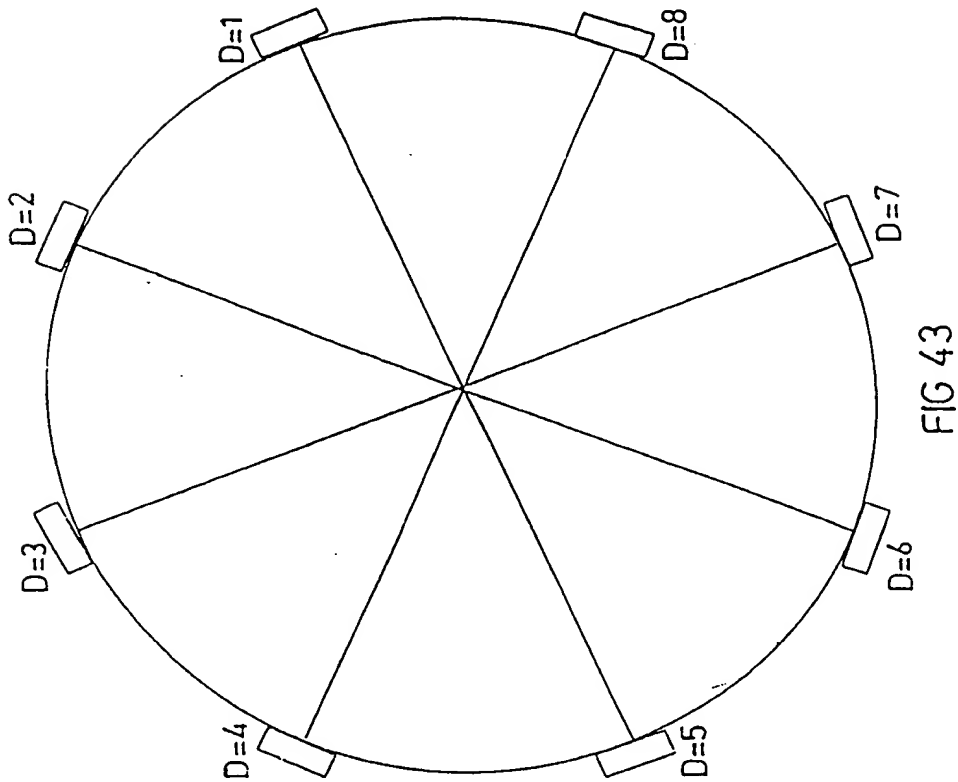
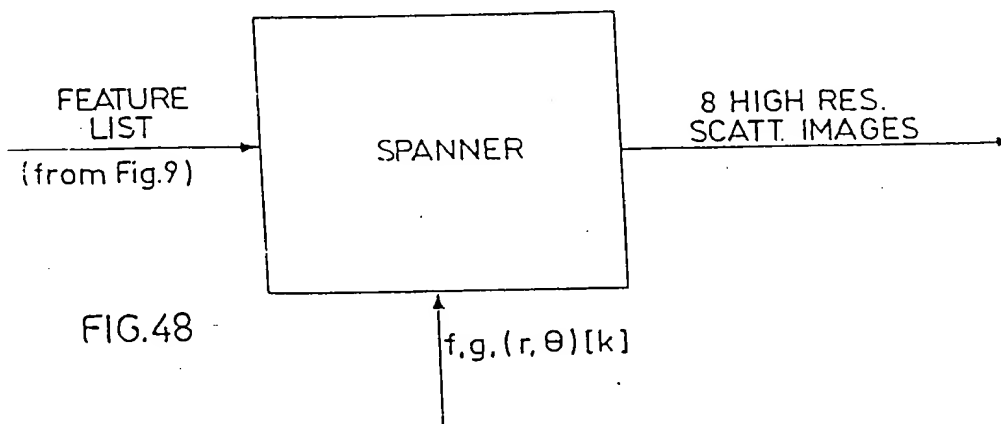
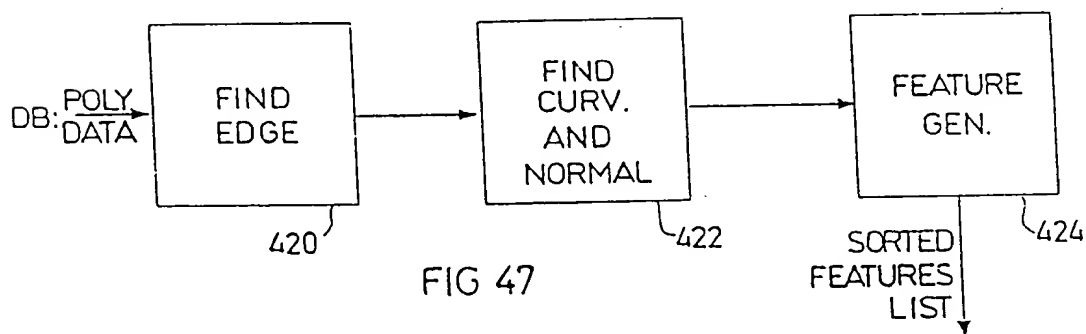
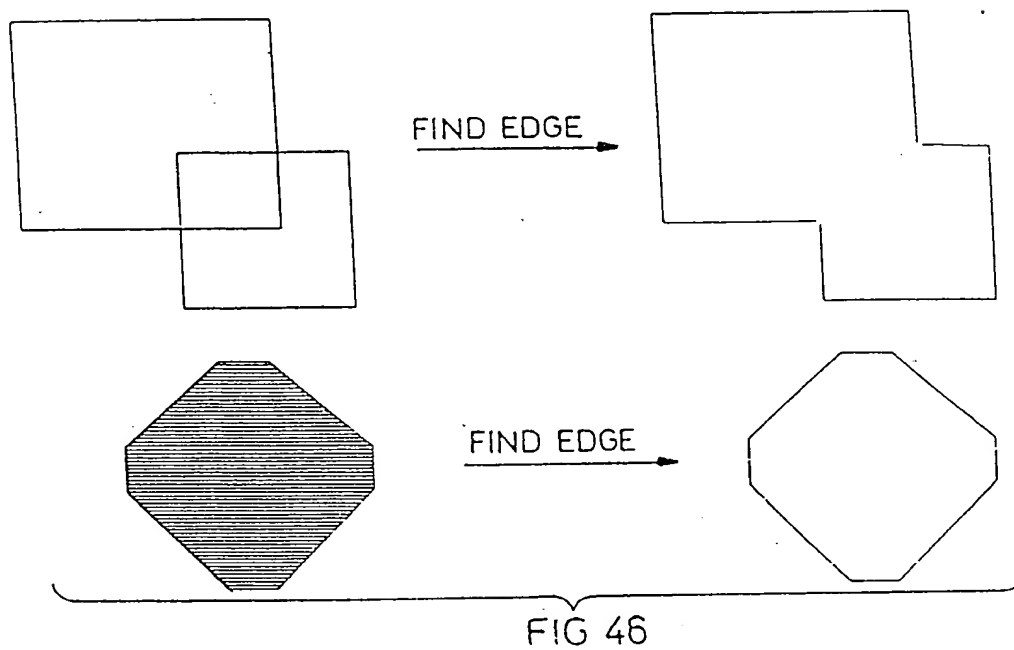


FIG. 41





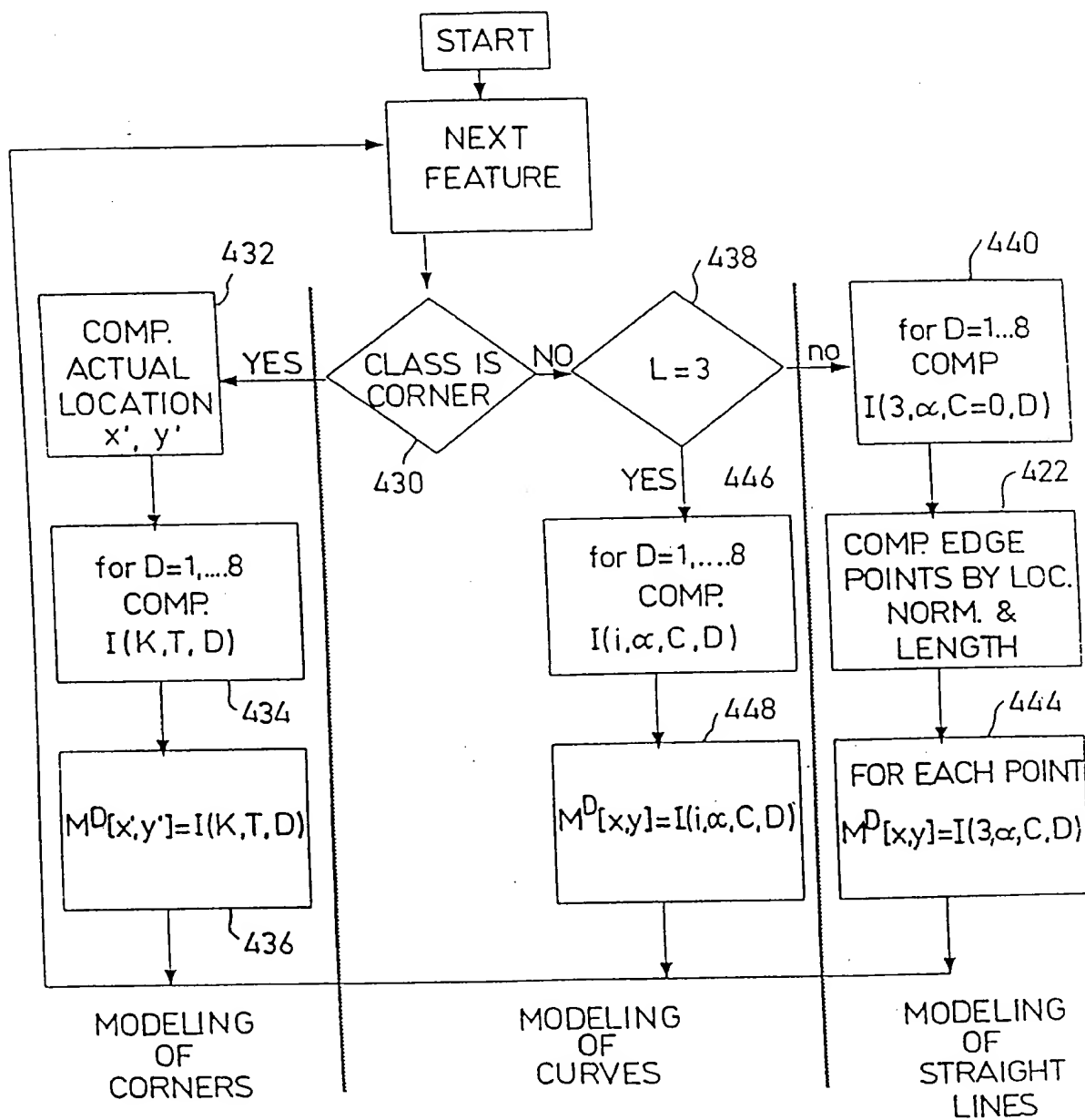


FIG 49